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# Central Swayze Area High-Density Regional Lake Sediment and Water Geochemical Survey, Northeastern Ontario

2005

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# Central Swayze Area High-Density Regional Lake Sediment and Water Geochemical Survey, Northeastern Ontario

by

P.A. Takats

2005

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*Geochemical data used to create the figures in Appendices 1, 2 and 3, and in Tables 1 and 2 are also available in digital format as Miscellaneous Release—Data 188 (MRD 188), available separately from this report. See description below.

Miscellaneous Release—Data 188

**Lake Sediment and Water Geochemical Data for the Central Swayze Area, Northeastern Ontario**; by P.A. Takats. Geochemical and water quality (limnological) data, including quality control data, from lake sediment and water samples collected from 1398 sites in the Central Swayze are being released in conjunction with Open File Report 6173. Data are available in Microsoft® Excel (*.xls*), comma-delimited (*.csv*) and tab-delimited (*.txt*) file formats on 1 CD-ROM.

# Central Swayze Area High-Density Regional Lake Sediment and Water Geochemical Survey, Northeastern Ontario

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Ontario Geological Survey
Open File Report 6173
2005

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# Abstract

Fieldwork for a lake sediment and water geochemical survey of the central Swayze area, centred in the Sultan area and approximately 250 km northwest of Sudbury, was carried out in July 2003. Lake sediment and water samples were collected from 1398 lake sites and analyzed by INAA and ICP-MS for 57 elements. Preliminary results and interpretation of the survey data shows the presence of at least 14 geochemically anomalous areas, including anomalous results for Au, Ag, Cu, Ni and Zn. Some of these areas were available for staking as of October 2005.

The coincidence of many of these anomalies with areas of known mineral occurrences and mineralization supports the use of lake sediment geochemistry as a viable sampling method for mineral exploration in the area. Digital geochemical data for this survey has been released separately from this report as Miscellaneous Release—Data 188 (MRD 188).

# Introduction

A helicopter-supported regional lake sediment and water geochemical survey of the central Swayze area was conducted by staff of the Ontario Geological Survey (OGS) from July 7 to July 28, 2003. The surveyed area is centred at Sultan, approximately 250 km northwest of Sudbury and 69 km east of Chapleau, Ontario (Figure 1). It covers the central portion of the Swayze greenstone belt. This study complements a regional lake sediment and water geochemical survey carried out over the south Swayze area in 2002 (*see* Figure 1) (Takats and Jackson 2005). The Swayze greenstone belt (SGB) is the western extension of the mineral-rich Abitibi greenstone belt, a Neoarchean granitoid-greenstone terrane that developed between 2.8 and 2.6 Ga (Jackson and Fyon 1991).

A total of 1398 lake sites were sampled over a 4390 km$^2$ area representing a sampling density of 1 sample site per 3 km$^2$. Fifty-four townships were sampled, partially or in whole, covering an area that is represented on the following National Topographic System (NTS) 1:50 000 scale map sheets: 41 O/8 (Biscotasing); 41 O/9 (Opeepeesway Lake); 41 P/10 (Sultan); 41 P/15 (Rollo Lake); and 41 P/16 (Rush Lake). The survey boundaries lie within 82°00′ N and 83°00′ N longitude and 47°15′ W and 48°00′ W latitude.

From this study, a total of 1384 water and 1254 sediment samples were prepared for analysis and submitted to several laboratories for the determination of approximately 57 elements and LOI (loss-on-ignition). Limnological (water quality) parameters were also collected for 1391 sites. The data described in this report are also being released in digital format as Miscellaneous Release—Data 188 (MRD 188), which is available separately from this report.

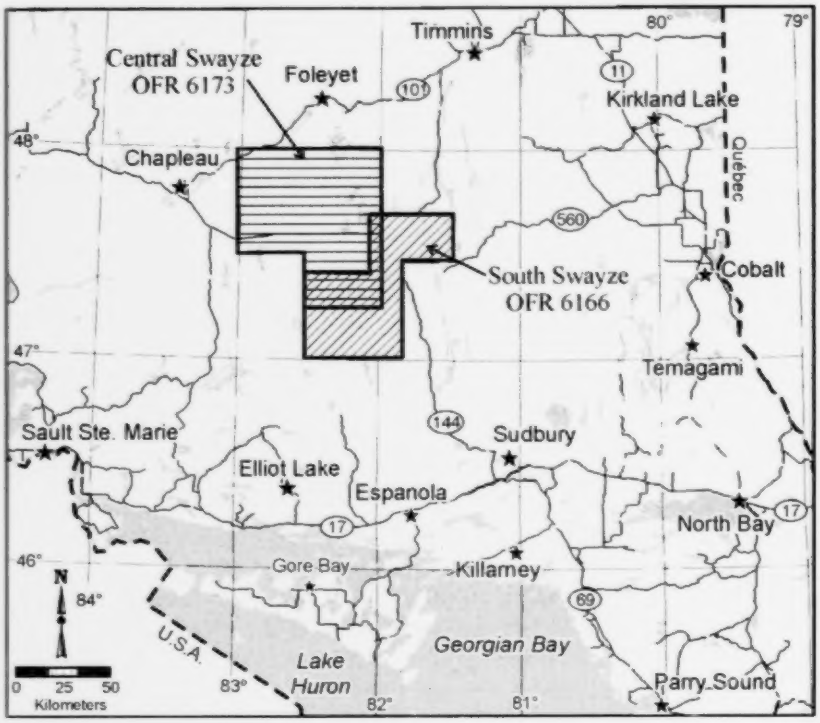


**Figure 1.** Location map of the central Swayze lake sediment and water survey area.

The central Swayze survey area was previously sampled for lake sediments by the national geochemical reconnaissance (NGR) lake sediment and water program (Geological Survey of Canada 1986). The program was undertaken by the Geological Survey of Canada (GSC) and included portions of the current survey area that fall within NTS map sheet 41 P. An average sampling density of 1 sample per 13 $km^2$ was achieved by the NGR survey in this region.

# Bedrock Geology

The Swayze greenstone belt (SGB) is located in the western Abitibi Subprovince of the Superior Province. The Swayze greenstone belt is bound to the north by the Nat River granitoid complex, to the west by the Kapuskasing structural zone, to the south by the Ramsey-Algoma granitoid complex and to the east by the Kenogamissi granitoid complex. The SGB is connected to the Abitibi greenstone belt, to the east, by a narrow band of metasedimentary and metavolcanic rocks that wrap around the northern and southern margins of the Kenogamissi granitoid complex (Heather 1993; Heather, Shore and van Breemen 1995).

Massive peridotite, pyroxenite and dunite intrusions are common within the SGB. These ultramafic rocks are also spatially related to polysutured and spinifex-textured komatiite volcanic flows. Mafic to intermediate metavolcanic and synvolcanic intrusive rocks are widely dispersed throughout the belt. These include iron-tholeiitic basalt, magnesium-tholeiitic basalt, calc-alkalic basalt and gabbro and/or diorite sills and dikes. The metavolcanic rocks consist of massive, pillowed, pillow breccia, variolitic and amygdaloidal flows. Several large sequences of felsic to intermediate metavolcanic rocks also occur within the SGB and consist of massive to pillowed flows and associated pyroclastic rocks. Chemical metasedimentary rocks consisting of sulphide- and carbonate-facies iron formations occur within most of the metavolcanic sequences within the SGB. Older sequences of clastic metasedimentary rocks in the SGB contain a close temporal and tectonic relationship to the metavolcanic rocks in the belt. Younger sequences of clastic metasedimentary rocks in the SGB unconformably overlie the older supracrustal sequences and are correlated with the Timiskaming assemblage rocks in the Abitibi greenstone belt. These supracrustal assemblages are correlative with the assemblages of the Abitibi greenstone belt (Ayer et al. 2002; Thurston 2002; Ayer et al. 2003; Becker and Benn 2003) and have been simplified to 9 distinct lithostratigraphic assemblages with recent mapping and U-Pb zircon geochronological results.

The SGB has a high potential for mesothermal gold, volcanogenic massive sulphide copper-zinc-lead, mafic to ultramafic intrusive- and extrusive-related nickel-copper±platinum group element (Ni-Cu±PGE) mineralization (Heather 1993). All of the past-producing mines and the majority of the prospects are associated with quartz veins within high-strain zones (i.e., shear zones) including the Jerome gold mine (Ontario Geological Survey 2004). Gold and base metal occurrences are recorded from a variety of geological settings which include volcanogenic exhalative and felsic extrusive centres; ultramafic flows and intrusions; and extensive east-trending alteration and deformation zones. The SGB shows areas of high gold potential in mafic rocks within high strain zones, typical of many Archean greenstone belts (Heather 1993, Harris et al. 2001).

This sediment and water geochemical survey covers an area containing the metavolcanic and metasedimentary rocks between Biscotasing and the Ramsey–Algoma granitoid complex in the south, northward to the area bound by the Kapuskasing structural zone and Horwood Lake (Figure 2).

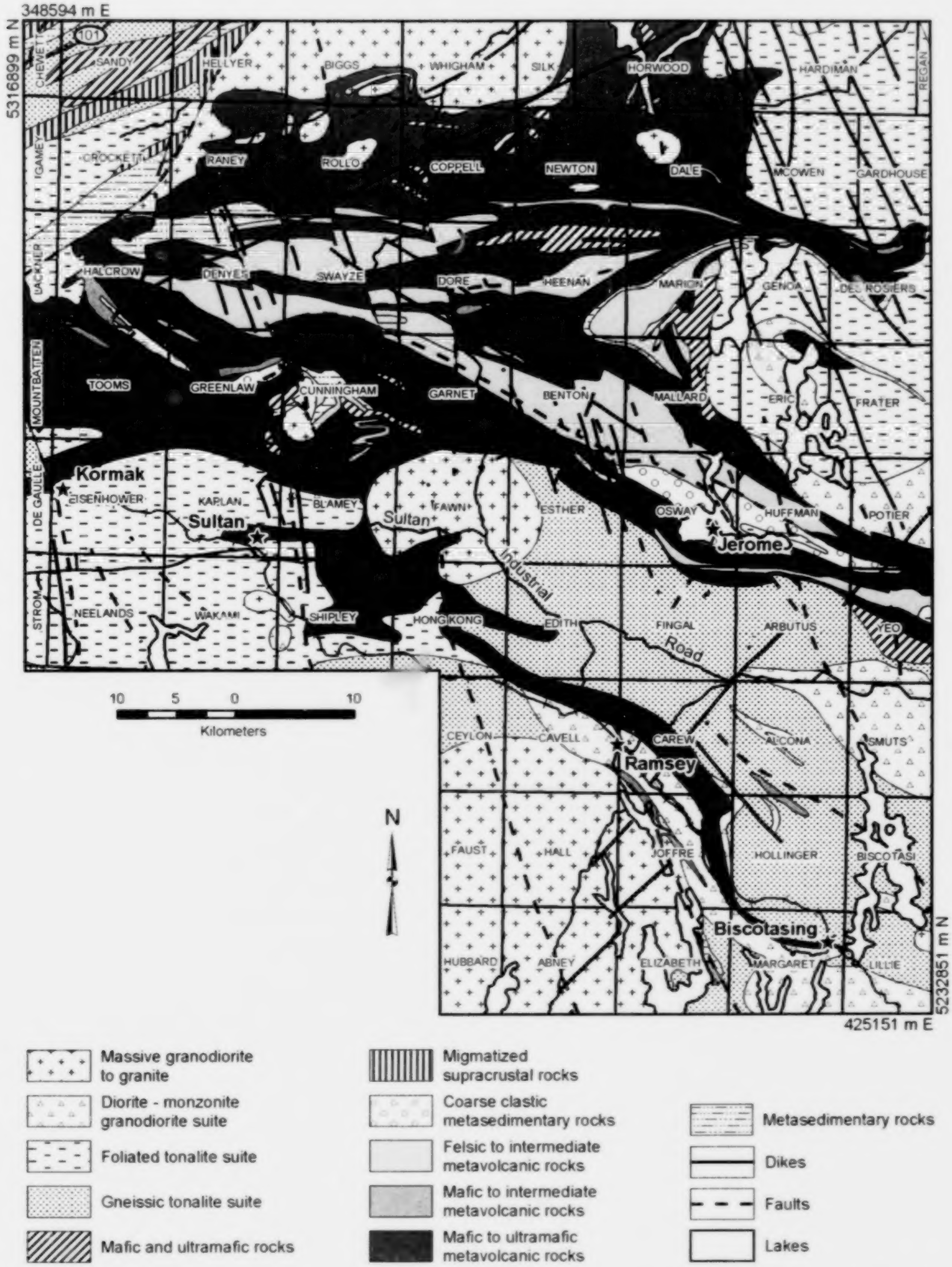


**Figure 2.** Generalized bedrock geology of the central Swayze lake sediment and water survey area (*after* Ontario Geological Survey 2003a).

# Quaternary Geology and Physiography

The central Swayze survey area lies within the Abitibi upland physiographic region of the Canadian Shield, with elevation and topographic relief increasing gradually to the extreme southwest corner of the survey area. The highest elevations occur in the Neelands–Wakami–Shipley townships area. The uplands slope downward to the northeast with the lowest elevations occurring in the Horwood Lake area (Horwood and Whigham townships). Delahey Mountain (533 m in height), at the boundary of Horwood and Hardiman townships, provides the major physiographic feature in the northeastern part of the survey (Breaks 1978, Bernier 1994a). Elevation within the survey area typically ranges from approximately 270 to 550 m asl. Low to moderate relief (60 to 150 m) characterizes most of the terrain in the eastern part of the survey, from the Mississagi–Biscotasi lake systems northward to Horwood Lake. The western portion of the survey area is characterized by rugged rocky uplands of moderate to high relief trending west from the Mississagi River system to the Wakami Lake area (Neelands and Wakami townships) (Roed and Hallett 1979a, 1979b).

The topography of the uplands is bedrock controlled (Bernier 1994a) and much of the study area is covered by a thin veneer of discontinuous glacial drift (Figure 3; Barnett, Henry and Babuin 1991). However, significant Quaternary deposits occur in the southwest corner of the survey area. Most prominent is a large ice-contact deposit, the Sultan Scarp, which extends westward from an area located approximately 20 km south of Gogama intersecting the southern portion of the central Swayze study area (through Yeo, Alcona, Carew, Edith, Ceylon and Neelands townships) to within 15 km south of Chapleau (Roed and Hallett 1979a). The scarp makes a significant contribution to the topography in the southern portion of the survey area from Shipley westward to Neelands and Eisenhower townships. The Sultan Scarp likely formed during a halt in the recession of the Keewatin lobe of the Laurentide ice sheet approximately 11 000 years ago. This halt resulted in a short-lived proglacial lake, Lake Sultan, created as ice melted and ponded in a broad depression between the bedrock uplands in the south and the ice front in the north (Barnett 1992; Roed and Hallett 1979a, 1979b).

The Sultan Scarp is a prominent, 55 m high, discontinuous, north-facing ice-contact escarpment. The Sultan Plain (located south of the drainage divide and bound to the north by the scarp) is composed of glaciofluvial and glaciolacustrine deposits consisting of proximal facies cobble-gravels that grade southward into layered sand and gravel, laminated glaciolacustrine sands and distal outwash sands and silts. North of the drainage divide, the glaciolacustrine deposits are composed of laminated sand and silts (especially in Tooms, Eisenhower and Greenlaw townships) overlying till and bedrock at altitudes less than 410 m asl. A major, single fan-shaped sand and gravel complex extending over 50 km$^2$ south of the junction between Hanson and Lesage lakes is found in Coppel Township (Upper Sylvanite Esker Complex: Bernier 1994b). The most common till facies in the western portion of the central Swayze survey area is a thin (<2 m thick) compact till with a high content of angular to subangular local bedrock clasts set in an uncohesive sandy matrix. Bernier (1994a, 1994b) recognized 2 distinct compositional facies of surface till: locally-derived till that forms a thin discontinuous sheet overlying bedrock through most of the area north and east of the Sultan Plain; and a rare carbonate-rich till of unknown surface extent but found in McOwen and Horwood townships.

The Sultan Scarp, in part, makes up the drainage divide that crosses the southern part of the survey area and separates the Hudson Bay and Great Lakes watersheds (Bernier and Goff 1993). Therefore, drainage in the north-central and eastern part of the study area flows to James Bay from the Wakami, Swayze, Rush and Woman river systems via the Groundhog and Kamiskotia rivers (Bernier 1994a). Drainage to the south occurs via the Mississagi River system and Biscotasi Lake; Biscotasi Lake is one of the headwater lakes of the Spanish River, the largest watershed draining into Lake Huron (Roed and Hallet 1979b).

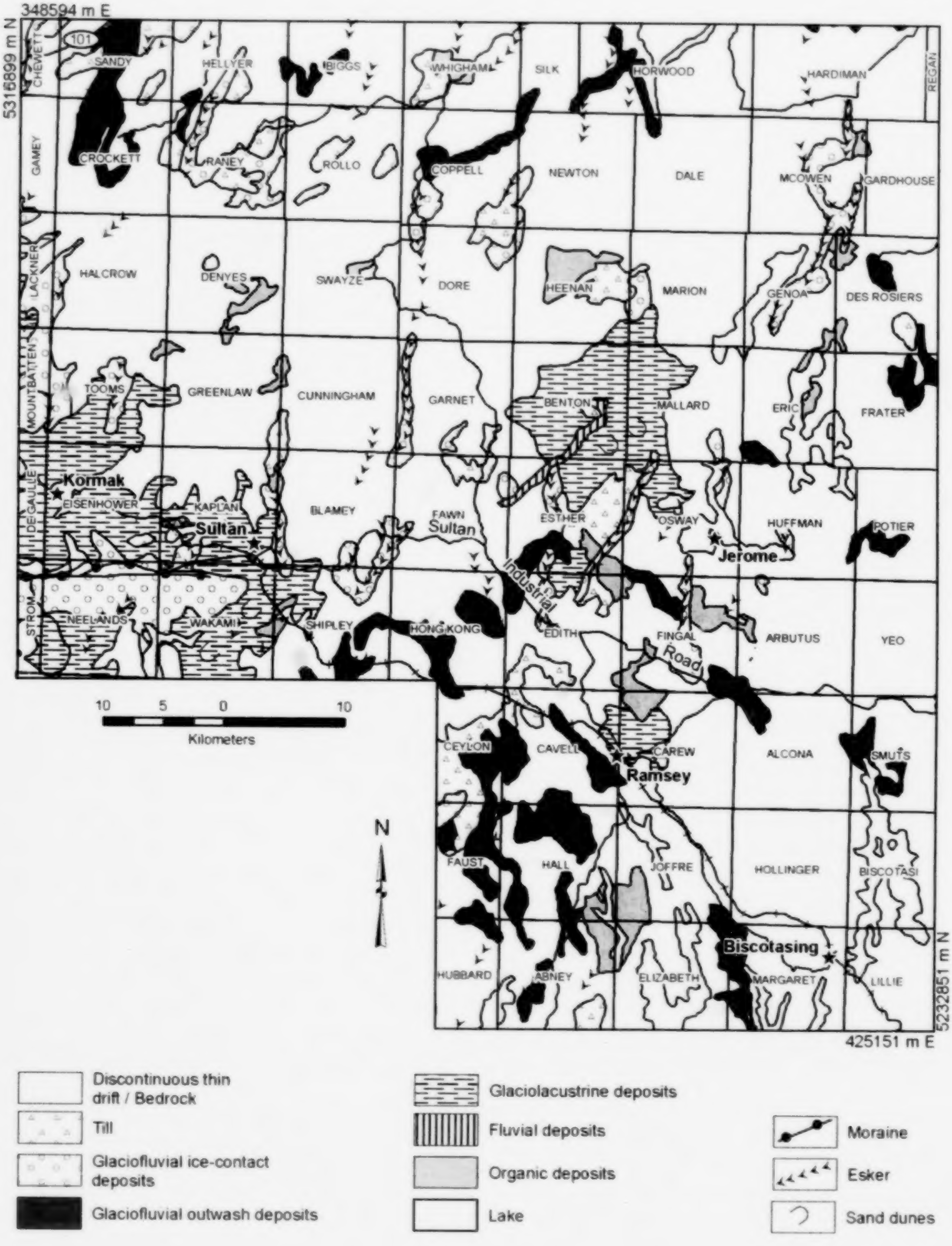


**Figure 3.** Generalized Quaternary geology of the central Swayze lake sediment and water survey area (*after* Barnett, Henry and Babuin 1991).

Glacial striae in the central Swayze study area indicate a general south-southwesterly (185° to 210°) glacial advance followed by localized shift of ice movement to the southeast (155° to 175°) due to topography (Bernier 1994b, Bernier et al. 1995).

The central Swayze area is characterized by several major esker complexes. The eskers typically occur as southward-trending ridges of subglacial accumulations of poorly sorted cobble gravel flanked by gently rolling outwash plains of sand and gravel (Roed and Hallett 1979a, 1979b). Notable esker complexes dominate the northern part of the survey, including parts of Tooms Township (Bernier 1994b) and northeastern Genoa Township (Roed and Hallett 1979a).

The distribution of surficial deposits is controlled dominantly by topography, with glaciofluvial ice-contact and outwash deposits in valleys and laminated glaciolacustrine sand and silt deposits and organic deposits in topographic lows (Roed and Hallett 1979a, 1979b; Bernier 1994b). Eolian deposits are derived mainly from glaciofluvial sand and commonly occur as U-shaped dunes oriented in a southeasterly direction south of the Sultan Scarp (west of Wakami Lake), as well as in the extensive glaciolacustrine material located in Benton Township. Modern alluvium borders the main rivers and streams, and occurs as local accumulations of cross-laminated fine-textured sand and silt flanking the main discharge systems. Organic deposits (including peatlands, Wakami Township) overlie bedrock and drift in low-lying areas.

## Sampling Methods

Organic lake sediment samples were collected using the OGS sediment sampler from a helicopter float. In order to avoid anthropogenic metals derived from point or nonpoint sources of pollution and water-sediment interface effects (i.e., diagenetic cycling of Mn due to anoxic conditions resulting in secondary scavenging and/or accumulation of base metals), only the deep (older) sediment (>20 cm below the sediment surface) was collected. This deep sediment, which pre-dates industrial activity, closely reflects the natural geochemical inputs to the lake bottom that may be traced to the geology of the area. If a site did not contain an organic component (e.g., sand or clay or a mixture), then only a water sample was collected. The organic sediment was collected in a gravity corer that was lowered from the helicopter float and then pulled to surface. The upper 20 cm of the sample core was discarded to avoid the inclusion of anthropogenic material. The remaining sediment was extruded into a sample bag. The sample bag containing the deep sediment was then sealed in an airtight plastic bag in order to avoid contamination between samples. Details of the OGS sediment sampling and coring device can be found in Dyer, Takats and Felix (2004).

Water quality parameters (pH, electrical conductivity, oxidation-reduction potential and dissolved oxygen) were determined at lake sites using a YSI water quality analyzer. This was done using a diaphragm pump, plastic hoses and a flow cell. Water was pumped from the lake and allowed to purge the hoses and flow cell prior to the recording of water quality parameters of the water held in the flow cell. The water samples were collected at a depth of 0.5 m below surface from shallow lakes (<3 m deep); and at a depth of 2 m from deep lakes (>3 m). Fifty percent of the lake sites were sampled for sediment at a depth of 3 m or less; therefore, half of the lakes were sampled for water at a depth of 0.5 m.

Water samples were kept cool after collection and processed (filtered through 0.45 µm filters and acidified with concentrated $HNO_3$ to a 1% sample solution) within 24 hours.

At each site, sediment descriptions and observations were recorded on standardized forms and entered into a Microsoft® Access database at the end of each day. The water quality parameters were downloaded from the YSI data logger and entered into the database. A global positioning system (GPS) receiver was utilized to record accurate sample site positions.

# Sample Preparation and Analytical Methods

The organic lake sediments were placed in a breathable fabric sample bag and partially air-dried at base camp prior to shipment to the analytical laboratory. The samples were freeze-dried to retain volatile elements, and partially pulverized and sieved to the -80 (<177 µm) mesh size fraction. Laboratory analysis of the -80 mesh size fraction was preceded by digestion of 1 g of sample material in nitric acid-aqua regia followed by analysis by inductively coupled plasma mass spectrometry (ICP-MS) and inductively coupled plasma optical emission spectrometry (ICP-OES) for 57 elements. The nitric acid-aqua regia digestion is considered a partial digestion method because it attacks all of the matrix constituents in the sample except for the silicate minerals.

An aliquot of 10 g of the -80 mesh size fraction was pressed into briquettes and analyzed by instrumental neutron activation (INAA) for gold and 26 other elements by a commercial laboratory. Loss-on-ignition was determined by Geo Labs (Sudbury, Ontario) at 500°C, on 0.5 g of sample material, using an automated thermogravimetric technique.

# Quality Control and Quality Assurance

Analytical precision and accuracy of the lake sediment analyses was monitored with replicate analyses of certified reference materials (CRMs) and duplicates of sampled lake sediments. The CANMET lake sediment standards LKSD-1 and LKSD-4 (Lynch 1990), as well as one in-house preparation of lake sediment previously sampled and analyzed, was used in the quality control (QC) program.

The QC samples were inserted randomly in the sample sequence between the sample preparation and laboratory analyses; analyses were not carried out in the same order of the sampling of the lakes. One QC sample was inserted per 10 lake site samples. The QC sediment samples consisted of analytical (pulp) duplicates, certified reference material (LKSD-1 and LKSD-4) and the internal (OGS) bulk standard. Analytical pulp duplicates were prepared by halving 1 in 40 of the dried sample pulps and inserting them into the sample sequence. Approximately every 20th sample analyzed was either a CRM or the OGS internal standard.

Table 1 summarizes the basic statistics of the elements determined in the geochemical database, including quality control data for sample duplicates and CRMs. The estimate of precision is determined from the results of the duplicate analyses and the coefficient of variation from the reference material. All 78 duplicate pairs of sediment analyses were used to determine the estimate of precision for the various elements. All of the analytical data, including the data used to prepare this table, can be found in the associated digital data release, Miscellaneous Release—Data 188 (MRD 188), published separately from this report.

The analytical precision for each parameter analyzed was determined graphically by plotting duplicate data on an X-Y chart and determining the variation of 95% of the data from a 1:1 ratio. The accuracy was determined by plotting the sequential values returned for CRM samples inserted in the batch against a vertical scale of concentration and comparing this with the provisional values provided for the standards (Lynch 1990).

Geochemical results for 22 elements (ICP-MS: Ce, Eu, Gd, Hf, Ho, La, Lu, Nd, Pr, Sm, Tb, Tm, Y, Zn, Zr; ICP-OES: Fe, Mo, Ni, P, V, Y and Zn) in 144 sediment analyses and 3 elements (ICP-MS only Al, Mn and Mg) for 130 water analyses exceeded the upper detection limit (UDL) for analysis according

**Table 1**. Central Swayze area lake sediment data set: summary of elements analyzed by ICP and INAA and quality control data, including estimates of precision.

| | | | | (n=1254, based on ICP-MS) | | | 78 pairs | LKSD-1 Reference Standard (n=26) | | | LKSD-4 Reference Standard (n=26) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Element** | **Analytical Method** | **Units** | **MDL** | **Median** | **RANGE** | | **Estimated Precision** | **Certified Value** | **Mean Q.C. Result** | **C of V (%)** | **Certified Value** | **Mean Q.C. Result** | **C of V (%)** |
| | | | | | **Min** | **Max** | | | | | | | |
| Ag | ICP-MS | ppm | 0.04 | 0.09 | <0.04 | 0.59 | **±0.02** | 0.6 | 0.62 | **5** | 0.2 | 0.24 | **7** |
| Al | ICP-OES | ppm | 20 | 5680 | 467 | 23500 | **±2200** | 41300 | 3760 | **12** | 31200 | 11700 | **9** |
| As | INAA | ppm | 0.5 | 2.5 | <0.5 | 77.2 | **±0.5** | 40 | 38.3 | **2** | 16 | 16.5 | **4** |
| Au | ICP-MS | ppm | 0.01 | 0.02 | <0.01 | 0.04 | **n/a** | 5 | **n/a** | **n/a** | 2 | **n/a** | **n/a** |
| Au | INAA | ppb | 2 | <2 | <2 | 17 | **n/a** | 5 | 5 | **18** | 2 | <2 | **n/a** |
| Ba | ICP-MS | ppm | 0.5 | 55.2 | 11.1 | 381 | **±5** | 430 | 94 | **6** | 330 | 134 | **9** |
| Be | ICP-OES | ppm | 0.03 | 0.3 | 0.2 | 2.8 | **±0.06** | 1.1 | 0.11 | **12** | 1 | 0.30 | **11** |
| Br | INAA | ppm | 0.5 | 39.0 | 4.4 | 118 | **±2** | 11 | 10.9 | **6** | 49 | 50.9 | **4** |
| Ca | ICP-OES | ppm | 500 | 10300 | 652 | 160000 | **±1250** | 77200 | 70700 | **4** | 12900 | 9440 | **8** |
| Cd | ICP-MS | ppm | 0.04 | 0.53 | 0.11 | 12.1 | **±0.05** | 1.2 | 1.32 | **6** | 1.9 | 2.02 | **6** |
| Ce | ICP-MS | ppm | 0.2 | 23.5 | 2.4 | >300 | **±4.5** | 27 | 17.4 | **8** | 48 | 38.8 | **7** |
| Co | ICP-MS | ppm | 0.04 | 3.76 | 0.46 | 39.7 | **±0.9** | 9 | 7.47 | **5** | 11 | 8.75 | **7** |
| Cr | ICP-MS | ppm | 1 | 18 | 2 | 86 | **±5** | 12 | 11 | **20** | 21 | 19 | **12** |
| Cs | ICP-MS | ppm | 0.01 | 0.39 | 0.08 | 1.79 | **±0.1** | 1.5 | 0.50 | **9** | 1.7 | 1.04 | **9** |
| Cu | ICP-MS | ppm | 0.4 | 28.9 | 4.3 | 474 | **±3** | 44 | 42.6 | **6** | 30 | 30.4 | **7** |
| Dy | ICP-MS | ppm | 0.02 | 1.25 | 0.13 | 18.1 | **±0.2** | - | 1.66 | **8** | - | 2.86 | **6** |
| Er | ICP-MS | ppm | 0.02 | 0.67 | 0.07 | 8.89 | **±0.08** | - | 0.94 | **8** | - | 1.65 | **7** |
| Eu | ICP-MS | ppm | 0.01 | 0.53 | 0.05 | 8.82 | **±0.08** | - | 0.46 | **8** | - | 0.89 | **6** |
| Fe | ICP-OES | ppm | 20 | 6970 | 701 | >135000 | **±1600** | 18000 | 19100 | **6** | 27000 | 26100 | **8** |
| Ga | ICP-MS | ppm | 0.09 | 1.29 | 0.12 | 7.57 | **±0.35** | - | 1.94 | **9** | - | 3.95 | **9** |
| Gd | ICP-MS | ppm | 0.03 | 2.15 | 0.23 | 47.2 | **±0.4** | - | 2.31 | **7** | - | 3.93 | **7** |
| Hf | ICP-MS | ppm | 0.02 | 0.04 | <0.02 | 0.50 | **±0.01** | 3.6 | 0.04 | **19** | 2.8 | 0.03 | **20** |
| Hg | ICP-MS | ppm | 0.08 | 0.13 | 0.08 | 0.36 | **±0.01** | 0.11 | 0.12 | **8** | 0.19 | 0.19 | **7** |
| Ho | ICP-MS | ppm | 0.006 | 0.240 | 0.020 | 3.35 | **±0.045** | - | 0.335 | **9** | - | 0.577 | **6** |
| K | ICP-OES | ppm | 20 | 201 | 39 | 920 | **±125** | 9100 | 368 | **12** | 6600 | 820 | **12** |
| La | ICP-MS | ppm | 0.1 | 15 | 1.5 | >200 | **±3** | 16 | 10.4 | **7** | 26 | 20.9 | **7** |
| Li | ICP-MS | ppm | 0.3 | 2.5 | 0.3 | 17.5 | **±1.2** | 7 | 4.3 | **7** | 12 | 9.0 | **9** |
| LOI | Grav | % | 0.05 | 54.1 | 9.2 | 98 | **±2** | 23.5 | 23.2 | **2** | 40.8 | 41.6 | **4** |
| Lu | ICP-MS | ppm | 0.005 | 0.090 | 0.010 | 1.240 | **±0.01** | 0.4 | 0.130 | **9** | 0.5 | 0.239 | **7** |
| Mg | ICP-OES | ppm | 6 | 1290 | 269 | 9600 | **±700** | 10300 | 5950 | **6** | 5400 | 3560 | **9** |
| Mn | ICP-OES | ppm | 0.7 | 112 | 11.0 | 3560 | **±30** | 460 | 378 | **5** | 430 | 368 | **8** |
| Mo | ICP-MS | ppm | 0.06 | 1.38 | 0.23 | 25.5 | **±0.15** | 12 | 9.78 | **6** | 2 | 1.75 | **9** |
| Na | ICP-OES | ppm | 10 | 61 | 13 | 564 | **±58** | 14800 | 238 | **20** | 5200 | 174 | **17** |
| Nb | ICP-MS | ppm | 0.04 | 0.44 | 0.07 | 2.38 | **±0.39** | 7 | 0.55 | **26** | 9 | 1.05 | **15** |
| Nd | ICP-MS | ppm | 0.09 | 14.3 | 1.30 | 396 | **±2** | 16 | 11.8 | **7** | 25 | 21.9 | **6** |
| Ni | ICP-MS | ppm | 0.2 | 13.9 | 2.8 | 198 | **±3.5** | 11 | 13.8 | **7** | 32 | 32.3 | **7** |
| P | ICP-OES | ppm | 10 | 757 | 121 | >4800 | **±150** | 900 | 774 | **4** | 1300 | 1350 | **9** |
| Pb | ICP-MS | ppm | 0.3 | 4.1 | 0.8 | 67 | **±0.8** | 84 | 82.3 | **7** | 93 | 91.8 | **6** |
| Pr | ICP-MS | ppm | 0.03 | 3.73 | 0.33 | >40 | **±0.6** | - | 2.81 | **8** | - | 5.57 | **7** |
| Rb | ICP-MS | ppm | 0.06 | 2.56 | 0.75 | 14.1 | **±1** | 24 | 3.38 | **8** | 28 | 9.58 | **9** |
| S | ICP-OES | ppm | 20 | 4570 | 471 | 23300 | **±250** | 15700 | 15000 | **6** | 9900 | 9460 | **8** |
| Sb | ICP-MS | ppm | 0.03 | 0.08 | 0.03 | 1.04 | **±0.02** | 1.2 | 0.61 | **9** | 1.5 | 1.20 | **6** |
| Sc | ICP-MS | ppm | 0.09 | 1.66 | 0.16 | 18.2 | **±0.8** | 9 | 2.26 | **11** | 7 | 3.70 | **12** |
| Sm | ICP-MS | ppm | 0.04 | 2.41 | 0.24 | 60.2 | **±0.4** | 4 | 2.44 | **7** | 5 | 4.13 | **7** |
| Sn | ICP-MS | ppm | 0.7 | 0.8 | <0.7 | 1.8 | **n/a** | 16 | 3.3 | **6** | 5 | 3.3 | **8** |
| Sr | ICP-MS | ppm | 0.9 | 21.3 | 4.5 | 302 | **±4** | 250 | 65.2 | **6** | 110 | 38.7 | **7** |
| Ta | ICP-MS | ppm | 0.01 | 0.01 | 0.01 | 0.04 | **n/a** | 0.3 | <0.01 | **n/a** | 0.4 | <0.01 | **n/a** |
| Tb | ICP-MS | ppm | 0.006 | 0.270 | 0.030 | 4.97 | **±0.04** | 0.6 | 0.319 | **8** | 1.2 | 0.55 | **7** |
| Th | ICP-MS | ppm | 0.02 | 0.54 | 0.02 | 30.1 | **±0.6** | 2.2 | 1.28 | **12** | 5.1 | 1.78 | **11** |
| Ti | ICP-OES | ppm | 0.8 | 81.5 | 12 | 484 | **±150** | 3010 | 249 | **22** | 2270 | 347 | **17** |
| Tl | ICP-MS | ppm | 0.006 | 0.090 | 0.010 | 0.880 | **±0.01** | - | 0.220 | **7** | - | 0.416 | **7** |
| Tm | ICP-MS | ppm | 0.006 | 0.090 | 0.010 | 1.16 | **±0.025** | - | 0.130 | **10** | - | 0.239 | **7** |
| U | ICP-MS | ppm | 0.03 | 0.88 | 0.1 | 47.1 | **±0.2** | 9.7 | 8.98 | **6** | 31 | 29.7 | **6** |
| V | ICP-OES | ppm | 0.4 | 17.8 | 2.2 | >180 | **±5.3** | 27 | 19.4 | **10** | 32 | 30.6 | **10** |
| W | ICP-MS | ppm | 0.2 | 0.3 | 0.2 | 1.5 | **n/a** | <4 | 0.6 | **18** | <4 | 0.3 | **35** |
| Y | ICP-MS | ppm | 0.05 | 6.78 | 0.66 | 107 | **±1** | 19 | 9.89 | **7** | 23 | 16.4 | **6** |
| Yb | ICP-MS | ppm | 0.02 | 0.58 | 0.05 | 7.26 | **±0.08** | 2 | 0.83 | **9** | 2 | 1.55 | **7** |
| Zn | ICP-MS | ppm | 2 | 63 | 4 | 1420 | **±8** | 337 | 319 | **6** | 189 | 182 | **6** |
| Zr | ICP-MS | ppm | 0.4 | 1.6 | <0.4 | 42.3 | **±0.6** | 134 | 1.1 | **20** | 105 | 0.80 | **17** |

NOTES:

1. ICP-MS = Inductively Coupled Plasma Mass Spectroscopy (aqua regia digestion)
2. ICP-OES = Inductively Coupled Plasma Optical Emission Spectroscopy (aqua regia digestion)
3. INAA = Instrumental Neutron Activation Analysis
4. MDL = method detection limit
5. Grav. = thermogravimetric method for determination of loss-on-ignition
6. Estimated precision at 95% confidence level; ICP-OES, ICP-MS, and INAA elements based on results of 78 duplicate pairs.
7. C of V (%) = Coefficient of variation at one standard deviation (68% confidence level)
8. LKSD-1 and LKSD-4 are CANMET certified reference materials (Lynch 1990). For elements determined by ICP analysis, quoted reference values for Ag, As, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, V, Zn determined by partial digestion; all other elements determined with total digestion. For elements determined by INAA, reference values are obtained from total digestion methods.

to the Geo Labs guidelines (Ontario Geological Survey 2003b). All but 6 sediment analyses were recovered from the ICP-MS sediment data by comparing the raw data to the upper limits of operability determined during methods development and methods transfer to the new Geo Labs' Perkin Elmer Elan 9000 ICP-MS (Burnham and Schwyer 2004). The remaining 6 sediment analyses exceed the current UDL for Ce (by ICP-MS) and for Fe, P and V (by ICP-OES) (*see* Table 1). All water analyses were recovered, in the same manner as the sediment data, by retrieving the upper limits of operability of the ICP-MS for waters from reports of interlaboratory Proficiency Testing Program for Mineral Analysis Laboratories, of which Geo Labs was a participant (Alkema and Simser 2005a, 2005b).

None of the duplicate samples (water or sediment) had concentrations of elements greater than the upper detection limit; therefore, all 78 duplicates were used in the statistical analysis for quality control. Data for Fe analyses by INAA is available (in the associated digital data release, Miscellaneous Release—Data 188) for comparison to samples exceeding the upper detection limit. However, INAA duplicate samples returned concentration ranges of up to 3.2% Fe, whereas equivalent data for ICP-MS data exceeding the UDL for Fe gave an upper range of 18% to 28% by INAA. The QA/QC could not be performed on this range without duplicates or CRMs, and the analytical instrument response cannot be assumed to be linear.

Analysis for gold in lake sediment was determined by 2 methods: INAA (ppb) results gave 36 sample results above detection limit; and ICP-MS (ppm) results returned 5 sample results above detection limit. Concentrations of gold in the CRMs were detected in LKSD-1 (range 4 to 6 ppb; provisional value is 5 ppb (Lynch 1990)) and not detected in LKSD-4 (provisional value is 2 ppb) reference standards by INAA. Gold was below the detection limit by ICP-MS for both CRMs (*see* Table 1). Five QC duplicate samples (pairs) returned gold results above detection limit by INAA and were undetectable by ICP-MS for all duplicates. Out of the 5 duplicate pairs, only 1 pair returned comparable Au results (7 and 6 ppb).

The analytical precision and accuracy of the water analyses was monitored with replicate analyses of certified standard materials and duplicates of the collected lake waters. The water reference standard used in this study was the National Research Council SLRS-4 (St. Lawrence River Standard #4). Blanks were obtained in the field using distilled water and acidified distilled water to monitor the filtering procedure, background contamination in sample containers and the analytical procedure. A total of 156 QC samples were inserted into the water sample sequence for analysis: 88 duplicates; 38 SLRS-4; and 30 water blanks.

Table 2 summarizes the statistical data and the precision estimates for the 50 elements determined in the central Swayze water samples by ICP-MS (in ppb). The precision was estimated by plotting duplicate pairs of data on an X-Y scatterplot and determining the variation of 95% of the data from a 1:1 ratio. The accuracy was determined by plotting the sequential values returned for SLRS-4 standards inserted in the batch against a vertical scale of concentration and comparing this with the provisional values provided for the standards by the National Research Council (NRC).

An additional set of SLRS-4 samples was extracted from the lab QC data set (from Geo Labs) and utilized in the accuracy determinations of the analytical data. Therefore, the number of SLRS-4 samples totaled 102 (38 + 64). All of the analytical data for the lake waters, including this table, can be found in the associated digital data release, MRD 188.

Gold was not detected in the water sample duplicates used in quality control; however, 1 sample returned a value at the detection limit, 0.01 ppb Au. The coefficient of variation for certain elements such as Au, Be, Hf, Sn, W and Zr is high and is due to poor analytical reproducibility at low concentrations in

**Table 2.** Central Swayze area lake water data set, summary of elements in water analyzed by ICP-MS (in ppb) and quality control data, including estimates of precision.

| | | Sample Dataset (n=1384) | | | 88 Dup pairs | SLRS-4 Certified Reference (N=102) | | |
|---|---|---|---|---|---|---|---|---|
| **Element** | **MDL (ppb)** | **Median (ppb)** | **Range (ppb)** | | **Estimated Precision (ppb)** | **Certified Value (ppb)** | **Mean Q.C. Result (ppb)** | **Coefficient of variation %** |
| | | | Min | Max | | | | |
| Ag | 0.03 | 0.04 | 0.03 | 0.09 | n/a | - | n/a | n/a |
| Al | 0.1 | 27.6 | 0.7 | 544 | ±25 | 54 | 53.8 | 6% |
| Au | 0.01 | 0.01 | 0.01 | 0.01 | n/a | - | 0.02 | 40% |
| Ba | 0.03 | 5.96 | 0.22 | 44.1 | ±0.6 | 12.2 | 12.9 | 2% |
| Be | 0.008 | 0.012 | 0.008 | 0.063 | ±0.004 | 0.007 | 0.012 | 23% |
| Ca | 200 | 9940 | 294 | 42400 | ±1600 | 6200 | 5649 | 3% |
| Cd | 0.002 | 0.014 | 0.002 | 32.9 | ±0.02 | 0.012 | 0.016 | 52% |
| Ce | 0.0002 | 0.0492 | 0.0020 | 2.92 | ±0.03 | - | 0.368 | 2% |
| Co | 0.006 | 0.023 | 0.010 | 1.30 | ±0.03 | 0.033 | 0.033 | 7% |
| Cr | 0.004 | 0.179 | 0.019 | 1.81 | ±0.08 | 0.33 | 0.32 | 7% |
| Cs | 0.0003 | 0.0092 | 0.0030 | 0.220 | ±0.003 | - | 0.007 | 7% |
| Cu | 0.06 | 0.76 | 0.09 | 61.3 | ±1.1 | 1.81 | 1.95 | 14% |
| Dy | 0.001 | 0.006 | 0.001 | 0.126 | ±0.004 | - | 0.024 | 7% |
| Er | 0.001 | 0.004 | 0.001 | 0.060 | ±0.002 | - | 0.135 | 10% |
| Eu | 0.0007 | 0.0036 | 0.0010 | 0.0831 | ±0.002 | - | 0.006 | 26% |
| Fe | 0.40 | 57.0 | 0.9 | 1550 | ±28 | 103 | 99.4 | 4% |
| Ga | 0.001 | 0.007 | 0.002 | 0.090 | ±0.004 | - | 0.014 | 12% |
| Gd | 0.001 | 0.008 | 0.001 | 0.262 | ±0.006 | - | 0.036 | 9% |
| Hf | 0.001 | 0.002 | 0.001 | 0.184 | ±0.002 | - | 0.004 | 116% |
| Ho | 0.003 | 0.006 | 0.003 | 0.023 | ±0.001 | - | 0.005 | 11% |
| La | 0.001 | 0.043 | 0.002 | 2.37 | ±0.015 | - | 0.296 | 2% |
| Li | 0.02 | 0.31 | 0.08 | 2.20 | ±0.6 | - | 0.48 | 6% |
| Lu | 0.0003 | 0.0035 | 0.0030 | 0.0085 | n/a | - | 0.002 | 13% |
| Mg | 50 | 1800 | 115 | 10600 | ±400 | 1600 | 1523 | 4% |
| Mn | 0.08 | 2.22 | 0.12 | 190 | ±1.2 | 3.37 | 3.33 | 4% |
| Mo | 0.005 | 0.051 | 0.010 | 1.04 | ±0.4 | 0.21 | 0.21 | 5% |
| Nb | 0.0008 | 0.0022 | 0.0008 | 0.0704 | ±0.001 | - | 0.004 | 15% |
| Nd | 0.004 | 0.048 | 0.004 | 2.35 | ±0.02 | - | 0.274 | 3% |
| Ni | 0.08 | 0.31 | 0.08 | 54.9 | ±0.15 | 0.67 | 0.60 | 10% |
| Pb | 0.002 | 0.106 | 0.004 | 13.0 | ±0.23 | 0.086 | 0.089 | 30% |
| Pr | 0.0003 | 0.0108 | 0.0003 | 0.604 | ±0.004 | - | 0.070 | 3% |
| Rb | 0.07 | 1.02 | 0.14 | 5.03 | ±0.10 | - | 1.54 | 3% |
| Sb | 0.003 | 0.029 | 0.010 | 0.345 | ±0.008 | 0.23 | 0.26 | 3% |
| Sc | 0.06 | 0.61 | 0.03 | 2.05 | ±0.18 | - | 0.78 | 10% |
| Sm | 0.002 | 0.011 | 0.002 | 0.367 | ±0.004 | - | 0.057 | 5% |
| Sn | 0.004 | 0.011 | 0.004 | 4.58 | ±0.014 | - | 0.008 | 61% |
| Sr | 2 | 18 | 2 | 158 | ±1.7 | 26.3 | 28.5 | 2% |
| Ta | 0.0004 | 0.0005 | 0.0004 | 0.0013 | n/a | - | 0.0005 | 19% |
| Tb | 0.0004 | 0.0014 | 0.0004 | 0.0265 | ±0.0007 | - | 0.004 | 9% |
| Th | 0.001 | 0.006 | 0.001 | 0.073 | ±0.004 | - | 0.010 | 20% |
| Ti | 0.001 | 0.701 | 0.072 | 5.37 | ±0.20 | - | 1.73 | 8% |
| Tl | 0.0002 | 0.0030 | 0.0006 | 0.0141 | ±0.0008 | - | 0.0065 | 7% |
| Tm | 0.0003 | 0.0008 | 0.0003 | 0.0081 | ±0.0006 | - | 0.0019 | 11% |
| U | 0.0007 | 0.0121 | 0.0007 | 0.895 | ±0.01 | 0.050 | 0.048 | 3% |
| V | 0.03 | 0.23 | 0.04 | 1.82 | ±0.05 | 0.32 | 0.35 | 5% |
| W | 0.0007 | 0.0022 | 0.0007 | 0.0697 | ±0.003 | - | 0.005 | 25% |
| Y | 0.003 | 0.038 | 0.003 | 0.721 | ±0.01 | - | 0.14 | 3% |
| Yb | 0.0008 | 0.0039 | 0.0008 | 0.0484 | ±0.002 | - | 0.012 | 8% |
| Zn | 0.1 | 1.0 | 0.1 | 66.9 | ±1.8 | 0.93 | 1.27 | 36% |
| Zr | 0.004 | 0.046 | 0.004 | 8.89 | ±0.16 | - | 0.12 | 118% |

Notes:

1. ICP-MS = Inductively Coupled Plasma Mass Spectroscopy
2. MDL = method detection limit (aqua regia digestion)
3. Estimated precision determined graphically at 95% confidence level
4. SLRS-4 = National Research Council, St. Lawrence River Standard #4, certified reference water standard
5. Mean Q.C. Result = the average value of the quality control (certified reference material)
6. C of V% = Coefficient of variation at one standard deviation (68% confidence level)

water samples. The overall accuracy of the analysis is satisfactory, with slightly higher values showing for Ca, Cu, Pb and Zn compared to the SLRS-4 provisional values.

# Regional Geochemical Variations

Factors to consider when assessing the possible significance of an anomaly include correlation with bedrock geology, correlation with surficial (Quaternary) geology, the drainage area, the redox conditions of the lake, high concentrations of scavenging elements such as iron (Fe), manganese (Mn) oxides and organic matter, the magnitude of the anomalous concentrations, and the presence of multi-site anomalies and multi-element anomalies within the anomalous area.

In mineral exploration, correlation with geology is the most important factor when assessing the significance of a surficial geochemical anomaly. The surficial geology (unconsolidated deposits), under certain circumstances, may have a greater impact on the chemistry of lake media than bedrock. Carbonate materials within eskers and thick ice-contact stratified drift deposits often result in relatively hard, alkaline lake waters. This type of lake water provides a geochemical matrix for trace elements that is very different to that of most Canadian Shield lakes, which are mildly acidic and organic dominated. In general, most metals are relatively immobile in such alkaline conditions; therefore, geochemical anomalies might be considered more significant and perhaps relatively close to source. Dilution or addition to the trace metal signature in sediments can occur due to the presence of fine-grained unconsolidated material such as silt or clay. Often a spatial relationship can be seen between lake sediment anomalies and glaciofluvial deposits such as eskers. In general, the sample collection and preparation protocols employed by the OGS, when properly carried out, minimize the deleterious effects of exotic inorganic materials which may be present in the survey areas.

Not all spatial trends in geochemistry are due to lithological or mineralogical factors. The solubility of trace metals depends to a large extent on the geochemical matrix and, in particular, on pH and oxidation-reduction (redox) conditions. Redox conditions in a lake are usually controlled by thermal conditions which, in turn, are controlled by lake morphology and lake depth. If conditions are suitable for an element to preferentially partition into the lake sediment, factors that may influence (enhance) the concentration of the element include the abundance of Fe, Mn and organic material. The mechanisms that may lead to "false anomalies" include sorption (scavenging) by hydrous oxides of Fe and Mn and the affinity of some elements to form organo-metallic complexes. Enrichment of some elements in the shallow (surface to 10 cm deep) sediment due to the upward migration and precipitation/concentration of Fe and Mn (and other trace elements such as Co, Pb, Mo and Zn originally co-precipitated with Fe and Mn) can occur. The OGS sampling technique avoids the surface sediment and targets the deep (>20 cm) sediment thereby minimizing the effects of Fe, Mn and base metal enrichment that may occur in the surface sediment. The assumption that sedimentation rates in all sampled lakes are similar, and that these lake bottom sediments are undisturbed at the time of sampling may not always be valid. Slumpage of sediments, mudslides, the effects of wavebase and the activities of animals may introduce the possibility that a "mixed" (shallow and deep sediment) sample was collected.

The magnitude of an anomaly appears to be one of the least important assessment criteria. Magnitude depends not only on the size of a deposit or occurrence but on its distance from the lake, the presence and effectiveness of sinks between the source and lake, the limno-geochemical conditions in the lake, the weatherability of the deposit and the character of the surficial deposits (e.g., level of carbonate). The weatherability depends on factors such as exposure, depth of burial and the specific mineralogy of the source. These factors combine to make magnitude an unreliable estimate of the importance of an anomaly except in extreme cases or in cases where multiple samples and/or media corroborate its importance.

Multi-site anomalies provide separate verification of the "anomalousness" of a given area and provide some insurance against nonsystematic errors in sample quality, collection, preparation or analysis. However, since samples are collected, prepared and analysed in sequence, a uniform and numerically sequential anomaly may be the result of a systematic analytical or sample preparation error. This might be expected to produce an apparent geographic grouping of fairly uniform concentrations in one, or possibly several, elements. Every effort has been made to detect this kind of problem but the user is reminded to consider all available data when assessing the importance of an anomaly.

Multi-element anomalies with geologically reasonable elemental assemblages are useful in assessing the importance of many anomalies. For example, Pt and Pd are relatively immobile in the surficial environment compared to base metals, such as Cu, Ni, Pb and Zn, and would not normally be expected to be found in anomalous levels in a lake sediment without an accompanying base metal signature. However, certain multi-element anomalies (e.g., Mo + Zn) can sometimes result from limnological factors (e.g., redox conditions related to deep lakes, relative level of organic material in the sediment).

Results from the water quality data set, water analyses and sediment analyses are plotted on bedrock geology (Ontario Geological Survey 2003a) as proportional dot maps in Appendices 1 and 2. Not all elements analysed for lake sediment are available for lake waters and small data sets (with results mostly below detection limit) and were therefore not plotted. Appendix 1 contains proportional dot plots for water pH, water electrical conductivity, sediment loss-on-ignition (LOI) and sediment sampling depth. Appendix 2 contains lake water and lake sediment dot plots for the following: Ag, Al, As, Au, Ba, Be, Br, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, Hf, Hg, K, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, S, Sb, Sc, Sn, Sr, Ta, Total REEs, Th, Ti, Tl, U, V, W, Y, Zn and Zr. Appendix 3 contains the analytical data for 13 parameters of interest, and includes UTM (Universal Transverse Mercator) coordinates in datum NAD 83, Zone 17N. Although this report contains a subset of the geochemical data set, along with preliminary data interpretation and discussion of the data, the digital data release (MRD 188) contains the entire geochemical data set for the central Swayze survey area.

The average pH and conductivity for surface waters (collected at 0.5 and 2 m depth) are 7.2 and 59 µS/cm, respectively. The pH ranges from 4.0 to 9.5 and the median value of 7.4 correlates well with the average value. The distribution of pH values over areas of exposed or thin drift-covered bedrock geology (*see* Appendix 1) shows a general pattern of low pH (ranging from 4 to 6) over felsic rocks (in the southern part) and higher values (ranging from 6 to 7) over mafic metavolcanic rocks (north to central). Extreme pH values of <6.0 and >9.0 make up less than 10% of the lakes in the study area.

The electrical conductivity (EC) values range from <10 to 242 µS/cm, with 50% of the lakes characterized by conductivity greater than 48 µS/cm but less than 172 µS/cm. The median value (50 µS/cm) is less than the average EC (59 µS/cm) and the presence of a second maxima (maxima are located at 27 and 79 µS/cm) in the EC histogram suggests a second background source. The distribution of EC (*see* Appendix 1) shows higher conductivity values: over areas of thicker surficial deposits (Raney, Tooms and Eisenhower townships); over areas of exposed bedrock where mafic to ultramafic and felsic to intermediate metavolcanic rocks are present (Garnet, Dore, Swayze, Halcrow and Tooms townships); and in the vicinity of lumber towns with existing or defunct saw mills (towns of Kormak, Eisenhower Township and Ramsey, Cavell and Carew townships). Lakes underlain and surrounded by organic-rich deposits, such as bogs, exhibit low pH and low conductivity values.

A correlation matrix shows that EC is positively correlated to pH ($r^2 = 0.64$) and to Ca and Mg concentrations in lake water ($r^2 = 0.88$ and 0.81, respectively), and moderately to Ca concentrations in lake sediment ($r^2 = 0.42$). Similarly, pH is moderately correlated to the Ca and Mg concentrations in lake water ($r^2 = 0.7$ and 0.6, respectively) but inversely correlated to the Fe concentration in lake water

($r^2 = -0.6$). The geochemical data set indicates that the concentration of Ca in water and lake sediment are also correlated ($r^2 = 0.42$).

The SGB is characterized by sulphide- and carbonate-facies chemical sediments as well as Fe-carbonate alteration (calcite and Fe-carbonate) which may contribute to the alkaline and chemical signature of the waters and the lake sediments (high pH and elevated Ca and Fe concentrations) in the central and western portions of the study area.

The depth at which sediment samples were collected is recorded and plotted over a bedrock geology base (*see* Appendix 1). Despite the rugged topography in the western regions of the survey area, the median lake depth at which lake sediment was collected is 4 m. Approximately 95% of the lake sediment samples were collected at less than 9 m depth. The sampling depth indirectly reflects the depth of the lake, since the sampling protocol requires that the profundal (deepest part) basin of the lake be sampled. The deepest samples, and hence the deepest lakes, were not necessarily taken from the largest lakes within the survey.

The most pronounced distribution of gold (by INAA) in lake sediments of the central Swayze area survey occurs along an easterly trend overlying the metavolcanic-metasedimentary assemblages of the SGB, from Potier–Huffman–Osway townships through to Cunningham–Swayze–Dore townships. Thirty-six sample sites returned gold values above the detection limit (2 ppb) by INAA, ranging from 3 to 17 ppb; 17 of these values were above 4 ppb. Of the 5 gold results above the detection limit returned by ICP-MS, ranging from 0.02 to 0.04 ppm, only 1 site across the whole survey exhibited similar results to that of the INAA data set.

The following interpretation of the Au results is based on qualitative analysis of the data: the quality assurance of the data set was poor and exhibited poor reproducibility (even between methods); the sample collection design was not designed for Au-specific analysis, i.e., sample size is too small (10 g) to mitigate the nugget effect for particulate gold; and alternate methods of analyses specifically developed for recovery of Au were not employed.

The significance of the Au results in lake sediments can be illustrated by the proximity of the anomalies (anomalous Au in lake sediments typically as >7 ppb Au: R. Dyer, OGS, personal communication, 2005) to known Au occurrences (Ontario Geological Survey 2004); comparable results of previous lake sediment geochemical surveys (Geological Survey of Canada 1986); and proximity of the anomalies to that of particulate gold in the overburden (Bernier et al. 1995).

The highest values of Au occur in Hall Township (sites 196 and 197, 17 and 15 ppb, respectively). Lake sediments collected in Opeepeesway Lake at the site of the former Jerome gold mine (Osway Township; Ontario Geological Survey 2004), yield 16, 9, 6 and 7 ppb Au (at sites 660, 662, 902 and 1172, respectively). The remaining survey area returned background to elevated levels of Au.

Two other clusters of lake sites that show background to elevated values (>50th percentile) of Au in lake sediment occur in Swayze–Dore and Cunningham townships. Two ponds in the northwest corner of Swayze Township (sites 131 and 356) that drain into Ackerman Lake each returned 4 ppb Au. Two small ponds in the northeast corner of Dore Township (sites 132 and 351) that drain into the Swayze River returned values of 4 and 7 ppb Au. The 4 sites are located within the former Kenty gold mine and Kenty occurrences (Annie Kenty Claims, Kenty #3 Shaft, and Kenty #1 Shaft veins: Ontario Geological Survey 2004). Surficial sediments of the northeast corner of Swayze Township yield anomalous particulate gold grain abundances (>31 grains) in the till, and Bernier (1994a) identified an anomalous zone approximately 3 km wide and at least 4.5 km long, of which the northern most 2 km corresponds to the greenstone assemblage that hosts the Kenty deposit (Bernier 1994b; Bernier et al. 1995).

As mentioned earlier, Fe and Mn in extremely high concentrations in lake sediments may serve to concentrate other elements by scavenging, producing a "false anomaly". Lake sediment samples are screened for Fe and Mn. Sites with anomalous concentrations of metals of interest at sites containing high Fe and Mn are interpreted with caution. However, there are several geological features that contribute to elevated Fe concentrations in the SGB. Sources of Fe in the SGB include the surface expression of iron formation that occurs predominantly in the central portion of the survey area, from Desrosiers Township westward to Genoa, Marion and Mallard townships and from Cunningham to Eisenhower townships; Fe-tholeiite mafic metavolcanics distributed widely throughout the SGB; and strong Fe-carbonate (and calcite) alteration style within the major deformation zones (Heather et al. 1995).

The highest concentrations of Fe in lake sediment occur in Garnet (site 1252 and 722), Hall (site 196), Genoa (site 1152), Dore (site 246), Halcrow (site 937) and Joffre (site 744) townships (with Fe concentrations determined by INAA at 27.9 and 20%, 26.1%, 25.2%, 21%, 18% and 18%, respectively). An example of an area with potential false metal anomalies (Co, Cr, Ni, REEs and Zr) occurs in Hall Township at sites 196 and 197, in the southern portion of the survey. The samples are taken from 2 shallow (<2 m depth) lakes located to the west of Turf Lake in glaciofluvial outwash deposits that overly the felsic rocks of the Ramsey–Algoma batholith (Heather and Shore 1999c).

A correlation matrix yielded a high correlation coefficient between Fe and Mn ($r^2$=0.6). Iron correlated positively with the following base metal concentrations in the lake sediments: Ag, $r^2$=0.21; Co, $r^2$=0.36; Cr, $r^2$=0.40; V, $r^2$=0.63; Zr, $r^2$=0.48; and poorly to Cu, $r^2$=0.06, and Ni, $r^2$=0.01. Copper is correlated to Ag, $r^2$=0.64; Ni, $r^2$=0.42; and Mo, $r^2$=0.34. Nickel is correlated to Cr, $r^2$=0.47; Co, $r^2$=0.46; Cu, $r^2$=0.42; and Ag, $r^2$=0.35.

The distribution of Ag in lake sediment occurs mainly over the boundary of the greenstone lithologies (metavolcanic rocks) and adjacent metasediment or felsic intrusions. The concentrations in lake sediment range from 0.04 to 0.59 ppm. The highest concentrations of Ag are found in Mallard (0.59 ppm) and Fingal (0.39 ppm) townships. The concentrations of Ag are correlated to the metals Hg, Cu and Co ($r^2$=0.63, 0.54 and 0.40, respectively) and moderately to V, Cd, Cr, Pb, Zn, and Mo ($r^2$=0.34, 0.26, 0.22, 0.21, 0.20, and 0.20, respectively). Anomalous concentrations (>0.2 ppm Ag) are found in a north-trending swath extending from Gardhouse Township, through Desrosiers, Mallard, Huffman, Arbutus, Fingal, Alcona, Joffre, Hollinger and Margaret townships. Silver occurs as a secondary commodity (after gold, copper and zinc) in the central Swayze study area, according to the Mineral Deposit Inventory database (Ontario Geological Survey 2004).

Copper anomalies (>58 ppm Cu, >95th percentile) are spatially associated with the mafic to ultramafic metavolcanic rocks of the SGB. The concentration of Cu ranges from 4.3 to 474 ppm in lake sediments, with the highest values in Mallard and Huffman townships (474 and 202 ppm Cu). These townships also contain clusters of anomalous Cu concentrations. Other dense clusters of elevated to anomalous concentrations of Cu occur in the centre of the SGB in Swayze–Dore, Cunningham–Garnet townships and to the west in Halcrow Township. Copper concentrations are positively correlated to Mo and S ($r^2$=0.42 and 0.31, respectively), and moderately to Zn, Cd, Hg and Br ($r^2$=0.26, 0.26, 0.19 and 0.19, respectively)

Anomalous concentrations (>125 ppm) of Zn in lake sediment occur in a large cluster of lakes in Cunningham Township overlying bedrock dominated by mafic metavolcanic rocks. These lake sites surround known zinc occurrences (e.g.,Tower Lake, Anglo-Sudbury, Tuttle) and the Shunsby Mine but lie north of the Rio Tinto occurrence. The highest values of Zn in the survey area were returned from this area (1500, 734, 557 and 554 ppm). The zinc concentrations in lake sediment are correlated to Cd and Pb concentrations ($r^2$=0.90 and 0.38, respectively) and moderately correlated to Ag, Cu and S ($r^2$=0.20, 0.26 and 0.22, respectively).

Anomalous levels of precious (Au) and base metals in lake sediments (*see* Appendix 2) are distributed primarily over the mafic to ultramafic metavolcanic rocks of the SGB. An interpretation of the pattern based on the elemental distribution over the general geology has been carried out. The anomalous areas have been grouped according to concentration-defined levels (see below) for Ag, Cu, Ni, Zn and qualitatively for Au, and are discussed in the following section.

Single-metal and single-site anomalies occur throughout the central Swayze study area. These outliers may be due to anthropogenic activities of mining and the presence of saw mills and railway lines in the region. Other lone base metal anomalies line up along dikes and faults and may warrant further investigation where located in regions of favourable geology or known mineral occurrences. As of October 20, 2005, some of the areas around the anomalous sites discussed in this report were available for staking. Clients are referred to the Provincial Mining Recorder Office (Sudbury) for an update on the availability these lands.

## Description of Selected Anomalous Areas

The following section is a summary of the most significant multi-element and/or multi-site precious and base metal anomalous areas within the central Swayze survey area. They have not been ranked. The most significant anomalies, in terms of multi-site and multi-element character, are listed below. The approximate areal extent of the anomalous areas are outlined in Figures 4 and 5. A bedrock geology base was used for Figure 4, while the land tenure status as of October 20, 2005, is illustrated on Figure 5. A back pocket map (Figure 6) shows the locations of the sampled lake sites. Note that some base metal anomalies exist in the data set that are not listed or discussed below.

The term "elevated" means above the 90th percentile, while "anomalous" means greater than the 95th percentile. Highly anomalous means greater than the 98th percentile. All lake sediment samples had loss-on-ignition values >10% LOI; therefore, no sites were excluded from the data set to generate the statistics and dot plots for this report. The data for these samples are included within the digital data release, MRD 188.

1. Halcrow Township Ca, Cu, Ni, Mo, S, Sr

sites 967, 968, 969, 970, 971, 973, 974, 976, 977, 978, 979, 981, 989

This anomalous area is characterized by elevated to anomalous concentrations of Mo, Ni and Cu. The lake sediments are also anomalous in Ca, S and Sr; and the lake water is characterized by high conductivity (for the survey area), ranging from 70 to 207 µS/cm and high pH (7.8 to 8.4). The lake water contains anomalous concentrations of Mg, Rb and Sr. The sites are located in ponds draining into Hewson Lake (sites 967, 968 and 969), and on a northwest trend along Shunsby Lake. This area was open for staking as of October 20, 2005, except for the land between Shunsby and Hewson lakes.

2. Rollo Township Ag, Br, Cd, Cu, Hg, Ni, Pb, Sr

sites 602, 603, 604, 607, 608, 609

Three sites on a single lake located northwest of Rollo Lake (sites 604, 607 and 608) show elevated levels of Ag, Br, Cd, Cu and anomalous levels of Hg, Pb and Sr. Site 602 returned anomalous concentrations of Ni (34 ppm). All of these lakes are characterized by slightly alkaline pH (~7.5) and low conductivity (60-70 µS/cm). The lake is underlain by a major fault in the mafic to ultramafic metavolcanic bedrock. This area was open for staking as of October 20, 2005.

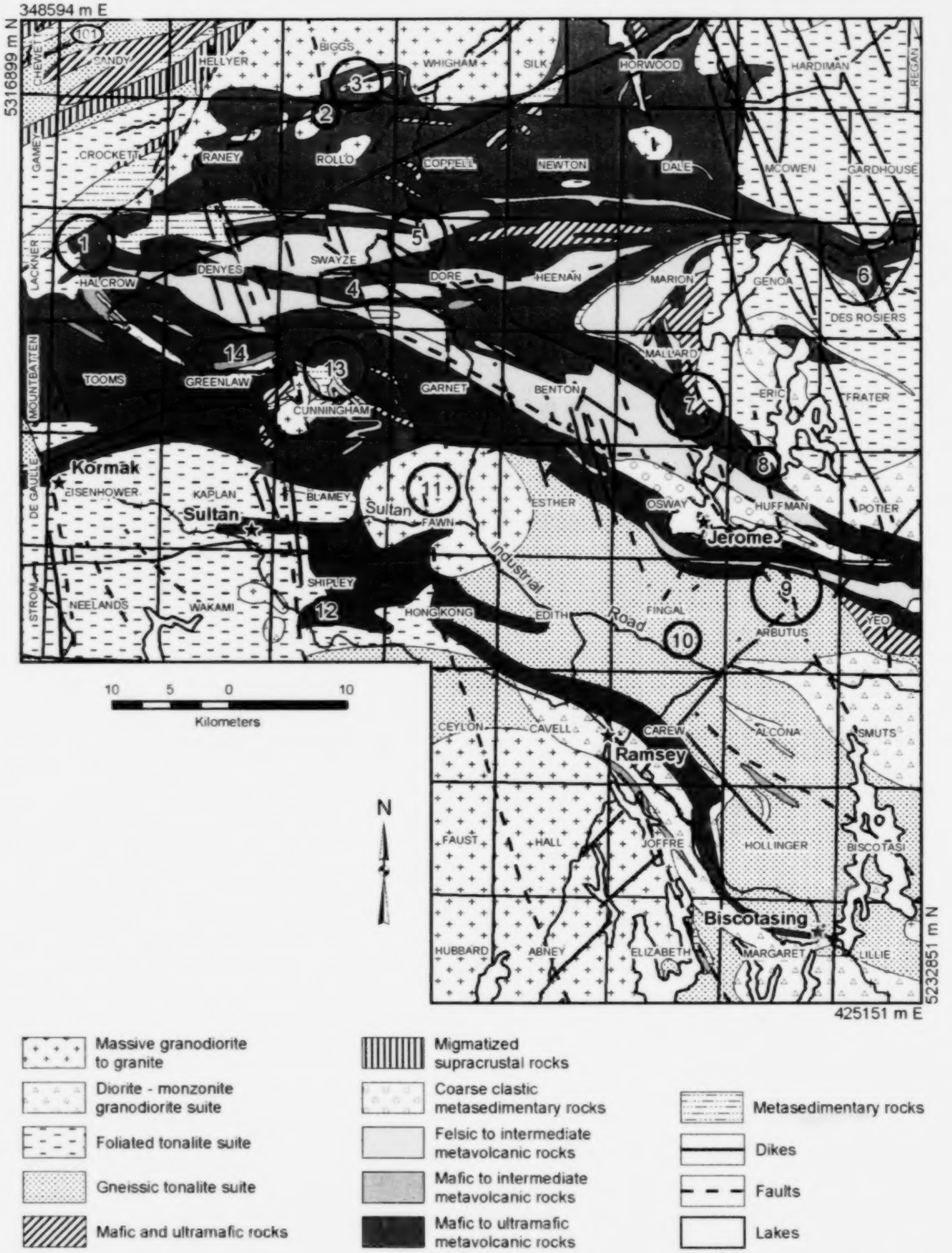
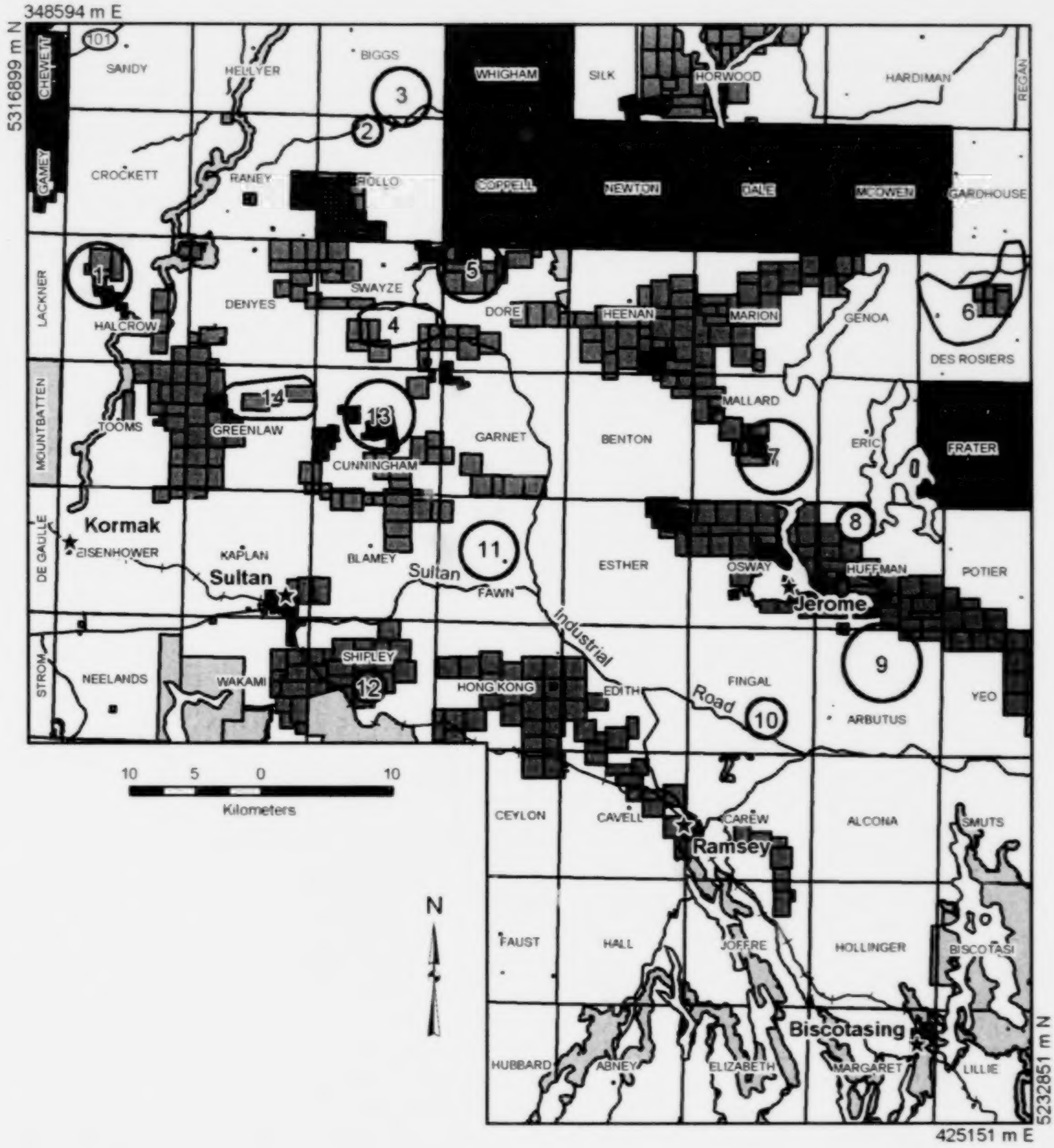


**Figure 4**. Location of selected geochemically anomalous areas within the central Swayze lake sediment and water survey area. Anomalous areas are outlined and numbered (no ranking inferred). See text for discussion.



■ Areas withdrawn from staking (unregulated parks, protected areas, etc.)

▨ Staked land as of October 20, 2005 (includes patents and leases)

□ Provincial parks and Conservation Reserves (all regulated parks)

Note: This figure is intended to represent the approximate state of the land tenure in the Central Swayze survey area as of October 20, 2005. It is not a legal description and cannot be used as a substitute for the files of the Provincial Mining Recorder office.

**Figure 5.** Land tenure map (to October 20, 2005) of the central Swayze lake sediment and water survey area showing the geochemically anomalous areas described in the report.

3. Biggs Township                                   Mo, Ni, U, Y

sites 787, 788, 789, 790, 791, 793, 794, 800, 801, 802, 803, 804

This anomalous area has 2 geochemically distinct groupings of lakes. Sites at the southern border, between Biggs and Rollo townships, are characterized by elevated (sites 787, 788, 789, 793 and 794) to highly anomalous concentrations (sites 790 and 791) of Ni. The geochemical signature includes elevated concentrations of U and Y; water pH is approximately 7.5 with conductivity of ~ 60 µS/cm. The second group, sites 800 to 804, are characterized by elevated to anomalous Th and U concentrations; the waters contain elevated to anomalous concentrations of Mo (sites 800-803; 0.13 to 0.55 ppb) and V (sites 801, 802 and 803; 0.43 to 1.15 ppb). The lake waters are characterized by relatively high conductivity (100-126 µS/cm) and pH values >7.7. The area overlies the contact between the granitic terrain of the Biggs pluton and the northwestern edge of the SGB mafic to ultramafic metavolcanic rocks. This area was open for staking as of October 20, 2005.

4. Swayze Township                                   Br, Cd, Cr, Cu, Ni, Sb

sites 264, 271, 361, 362, 364, 366, 368, 369, 373, 377

All sites within an east-trending belt from Cree Lake to Pepperbell Lake show elevated to anomalous concentrations of Ni in lake sediments. Most sites are also elevated in Br, Cu and Cd, as well as Sb. Sites 366, 373 and 377 returned elevated to anomalous Cr in the lake sediments. The lake waters are neutral to alkaline pH (7-7.8) and conductivity ranges from 65 to 91 µS/cm. The sites closer to Cree Lake show elevated concentrations of Ba and anomalous levels of Sr and Mn, while the sites to the east exhibit elevated levels of Cu (1.6 to 2 ppb Cu) in the lake waters. The anomalous terrain is located south of the Kenty gold mine and the ground surface is dominated by bedrock with thin drift overlying felsic volcanic rocks (Donovan 1968; Heather and Shore 1999b). This area was open for staking as of October 20, 2005, except for the area surrounding sites 368 and 369.

5. Dore Township                                   As, Au, Br, Cd, Cu, Mo, Pb, S

sites 132, 138, 142, 150, 152, 227, 228, 230, 231, 248, 349, 350, 351, 352,

Sites 132 and 351 returned 4 and 7 ppb of gold in lake sediments. Most of the sites in the anomalous area show elevated to anomalous concentrations of Cd, Cu and Mo. Almost all lakes contain sediments with elevated to anomalous concentrations of As, S and Br. Sites 150 and 352 are anomalous in Pb (16.8 and 21.7 ppb, respectively) and sites 138 and 231 are elevated in concentrations of Pb (8.3 and 8.1 ppb, respectively). All of the lake waters are characterized by alkaline pH (7.2 to 8.1), moderate to high conductivity, except a small pond (site 227, pH 6.3 and conductivity <10 µS/cm), and elevated to anomalous concentrations of Ca, Mg and Sr. Sites 230, 231 and 248 have elevated concentrations of Sc in lake water; and sites 142, 248, and 350 are anomalous in V. This anomalous area lies in the northwest corner of Dore Township adjacent to the site of the former Kenty gold mine (Swayze Township). The terrain is dominated by bedrock terrain except for ice-contact deposits of sand and gravel to the north in the vicinity of sites 351 and 352. The bedrock is predominantly felsic volcanic rocks mixed with quartz-feldspar porphyry, and sedimentary and felsic volcaniclastic units. The highest particulate gold grain abundance in surficial sediment within the SGB was discovered in this area (the boundary between Swayze and Dore townships) showing abundances >86 Au grains in the vicinity of sites 132 and 351 (Bernier 1994c, Bernier et al. 1995). This area was not open for staking as of October 20, 2005.

6. Desrosiers Township Ag, Co, Cr, Cu, Hg, K, Mg, Mo, Nb, Ni, Pb, Ti

sites 704, 707, 708, 709, 710, 711, 712, 1142, 1137, 1138, 11411143, 1144, 1146, 1147, 1148

Sites 1137, 1138 and 1141, at the boundary between Gardhouse and Desrosiers townships, show elevated to anomalous levels of Ag, Co, Mo and Pb. The lake waters are characterized by moderately acidic pH (5.4 to 5.7) and very low conductivity (17 µS/cm). The lake waters returned anomalous concentrations of Co, Th, Ti, V, Zn, Zr and Li. A cluster of relatively shallow lakes lined up along a fault angled to Northpoint Lake (sites 704, 707, 708, 709, 710 and 712) returned anomalous concentrations of Ag, Hg and Mo in lake sediment. All sites, except site 704 (56 ppm Ni), showed low levels of Ni (<15 ppm) in lake sediment. This anomalous area lies just to the west of the Jonsmith and Noranda molybdenum occurrences (Ontario Geological Survey 2004). Northpoint Lake and 2 small ponds draining into Northpoint Lake (sites 1142, 1143, 1144, 1147 and 1148) returned elevated to anomalous concentrations of Ni, Ti, Li, K, Mg and Nb in lake sediments but low levels of Hg (<0.14 ppm) and Mo (<1.9 ppm). Some lakes within the area also show elevated to anomalous concentrations of Co, Cr, and Pb with no obvious trends or patterns. The area lies in the extreme eastern portion of the SGB (Heather and Shore 199b) where the highly strained mafic to ultramafic metavolcanic rocks are in contact with the Kenogamissi batholith. Some part of this anomalous area was open for staking as of October 20, 2005.

7. Mallard Township Au, Cd, Co, Cu, Mo

sites 1200, 1201, 1202, 1204, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214

An anomalous area in Mallard Township, located east of Opeepeesway River and west of Mallard and Rae lakes returned anomalous levels of Ag, Cu and Mo in lake sediments. The highest concentrations of Ag (sites 1213 and 1214, with 0.59 ppm and 0.34 ppm Ag, respectively) and Cu (site 1213, 474 ppm Cu) in the survey area are found in this cluster of lakes. Cobalt and Cd are also found in high concentrations in some of the ponds. The lakes are predominantly small and shallow, draining wetlands, with neutral pH and low conductivity (except for site 1200, pH 8.4 and 116 µS/cm). Some of the lakes show elevated to anomalous concentrations of Cu, Fe, Sc and Zr in the water chemistry. The area is dominated by exposed bedrock (mafic to ultramafic metavolcanic rocks of the SGB) and most of the area was open for staking as of October 20, 2005.

8. Huffman Township Ag, As, Au, Br, Cd, Cu, Mo, Pb, S

sites 1183, 1186, 1187, 188, 1189, 1190, 1191, 1192, 1193, 1464, 1472, 1473, 1474, 1476

A cluster of lakes with elevated to anomalous concentrations of Ag, Cd and Cu is located in the northern portion of Huffman Township. Some of the highest concentrations of Cu in this survey was obtained from site 1183 (202 ppm Cu) and site 1189 (117 ppm Cu). Lake sediments also returned Au values at sites 1183, 1191 and 1192 (5, 5 and 4 ppm Au, respectively). Lake sediment samples from Little Rice Lake are also elevated in Hg. All of the lakes are characterized by alkaline pH (7.0 to 7.6) and low conductivity (30 to 40 µS/cm), and the ponds to the north of Little Rice Lake are elevated in Rb, Cu, V and W in lake water chemistry. This anomalous area was open for staking as of October 20, 2005.

9. Arbutus Township Ag, Co, Cr Cu, Mo, Ni

sites 998, 1000, 1001, 1002, 1003, 1004

Sites 1002, 1003 and 1004, from the same drainage system, returned elevated to anomalous Cu and Ni, as well as Ag, Co and Cr. The cluster of sites on Arbutus and Stony lakes (south of sites 1002 to 1004) are elevated in Zn, Y and Yb. The lake waters are characterized by neutral pH (pH 7) and low conductivity (20 to 30 µS/cm). This anomalous area is located at the contact of the mafic metavolcanic units with the Ramsey–Algoma granitoid rocks, southeast of the Jerome gold mine (Osway Township, Ontario Geological Survey 2004). Bernier et al. (1995) identified anomalous gold grain abundances (>13 gold grains) in the northern part of Arbutus Township. This anomalous area was open for staking as of October 20, 2005.

| | |
|---|---|
| 10. Fingal Township | As, Au, Co, Cr, Fe, Mo, Mn, V, Zr |

sites 629, 630, 631, 632, 634, 636, 638, 640, 990, 991, 993

Three sites returned gold in lake sediment: 634, 636 and 991 (4, 4 and 5 ppb Au, respectively). Elevated to anomalous concentrations of Co, Cr, Mo, V, Zr, Fe and Mn with background concentrations of Cu and Ni were determined in Cordes Lake sites (629, 630 and 631). Bithrey Lake (site 634) to the south was also characterized by elevated concentrations of Mo and V. This anomalous site overlies the Ramsey–Algoma granitoids. This anomalous area was open for staking as of October 20, 2005.

| | |
|---|---|
| 11. Fawn Township | As, Cd, Co, Cr, Fe, Mn, Sc, V, Zn |

sites 396, 397, 398, 399, 842

This anomalous area overlies the Fawn pluton (granite to granodiorite) in the centre of Fawn Township. The lake sediments returned elevated to anomalous concentrations of Cd, Co, Cr, Sc, V and Zn. Both sediments and lake waters exhibit elevated concentrations of Fe and Mn. Arsenic is also present in the lake sediment in anomalous concentrations at sites 396, 398 and 399. The lakes are shallow (1 to 3.5 m) and are characterized by neutral pH (6.6 to 7.5) and moderate conductivity (60 to 90 µS/cm). This area was open for staking as of October 20, 2005.

| | |
|---|---|
| 12. Shipley Township | Ag, Cd, Co, Cu, Cr, Hg, Mo, Pb, REEs |

sites 497, 498, 499

Three small lakes in Shipley Township show highly anomalous concentrations of Ag, Cd, Cu, Pb and Zn in lake sediments. They are also elevated to anomalous in Co, Cr, Hg, Mo and in the rare earth elements (REEs). The Cu signature extends to the east into Hong Kong Township (sites 27, 730 and 831, with 74, 128, and 75 ppm Cu in lake sediments, respectively). The anomalous area is topographically elevated (>500 m asl), and the lakes are characterized by moderate depths (5 to 8 m), low conductivity (25-28 µS/cm) and neutral to slightly alkaline pH (ranges from 6.8 to 7.8). The lake waters are also characterized by elevated to anomalous concentrations of Co, Cu and Zn. The Shipley Township anomalous lakes are located in bedrock of the SGB mafic to ultramafic metavolcanic rocks. The area is within a comparatively magnetic low according to an airborne total magnetic field survey (Ontario Geological Survey 1999) and in an area of very few lakes. The lake sediment Cu anomaly appears to extends to the east and the 2 NGR sites adjacent to these sites (Geological Survey of Canada 1986) corroborate the high Cu, Hg and Zn concentrations in the lake sediment geochemistry. This area was not open for staking as of October 20, 2005.

13. Cunningham Township Au, Cd, Cu, Pb, S, Zn

sites 328, 329, 330, 331, 332, 552, 553, 554, 556, 557, 558, 1231, 1232, 1233, 1234, 1236, 1237, 1238

The highest concentrations of Zn in lake sediment in the survey are found in Cunningham Township. The Shunsby copper-zinc property is located within this anomalous area. Sites 553 and 554 (4 and 3 ppb Au, respectively) are located in the Beavertail Lake area just northwest of the former Shunsby copper-zinc mine. This area is primarily noted for its base metal occurrences (Cu, Pb, Zn and Fe; Ontario Geological Survey 2004). There are several gold occurrences and elevated particulate gold abundances (range 14 to 36 gold grains) in the surficial sediments at the Shunsby main zone and to the south (Bernier 1994b; Bernier et al. 1995). Sites 552 and 553, which drain into Beavertail Lake, are geochemically unique in the central Swayze by having the highest Zn (1500 ppm each), the highest Cd (12.1 and 5.9 ppm) and some of the highest Cu concentrations (site 331, 131 ppm Cu; site 554, 106 ppm Cu; and site 1238, 106 ppm Cu). The sites in the vicinity of the Shunsby property (552, 553 and 554) also show anomalous concentrations of S (13,800, 17,600, 12,200 ppm, respectively). This area, including the Shunsby property, is underlain by the contact of the mafic to ultramafic metavolcanic rocks with the mafic intrusive rocks, iron formation and felsic metavolcanic rocks and is known for locally significant base metal sulphide mineralization (Siragusa 1987; Ontario Geological Survey 2004). Some parts of this anomalous area were not open for staking as of October 20, 2005.

14. Greenlaw Township Au, Cd, Co, Cr, Fe, Mn, Ni, Sc, Zn

sites 103, 104, 106, 107, 211, 212, 213, 214, 1291, 1292, 1293

One sample (site 104) from Ridout Lake returned 5 ppb Au. All of the sites on Ridout Lake (103, 104, 106 and 107) showed anomalous concentrations of Cd, Co, Cr, Ni, Sc and Zn in lake sediment. However, these sites also show very high concentrations of both Fe and Mn (range from 18,000 to 26,000 ppm Fe and 400 to 780 ppm Mn). Sites in the adjacent Gertrude Lake and Little Ridout Lake catchment areas are characterized by background levels of Fe and Mn, but don't show the anomalous base metal signature of Ridout Lake. Hotstone and Little Ridout lakes show elevated concentrations of Ni and Cr in lake sediment. There is a notable absence of elevated concentrations of Cu in the lake sediment of this area. Greenlaw Township has anomalous zones of gold grain abundances (<2 mm size fraction) of surficial sediments (Bernier 1994d; Bernier et al. 1995). Occurrences of gold, iron and asbestos lie to the west of the anomalous area (Ontario Geological Survey 2004). The area overlies a major deformation zone in the SGB (Heather and Shore 1999a), and is underlain by iron formation (with Fe-carbonate alteration) and metasedimentary rocks in contact with mafic to intermediate metavolcanic rocks. The anomalous areas at all sites, except 103, 104, 106, and 107, are open for staking as of October 21, 2005.

# Conclusions

Anomalous levels of precious and base metals in lake sediments are distributed primarily over the contact of mafic to ultramafic metavolcanic rocks with other units such as felsic metavolcanics, metasedimentary or granitoid rocks. This lake sediment geochemical survey identified 14 potential areas for further exploration based on the distribution patterns of elevated to anomalous Ag, Ni, Cu and Zn and other elements (*see* Figures 4 and 5). Areas with significant lake sediment gold results are those areas previously identified as having high potential for gold mineralization in the Swayze, Dore and Osway townships (Ontario Geological Survey 2004).

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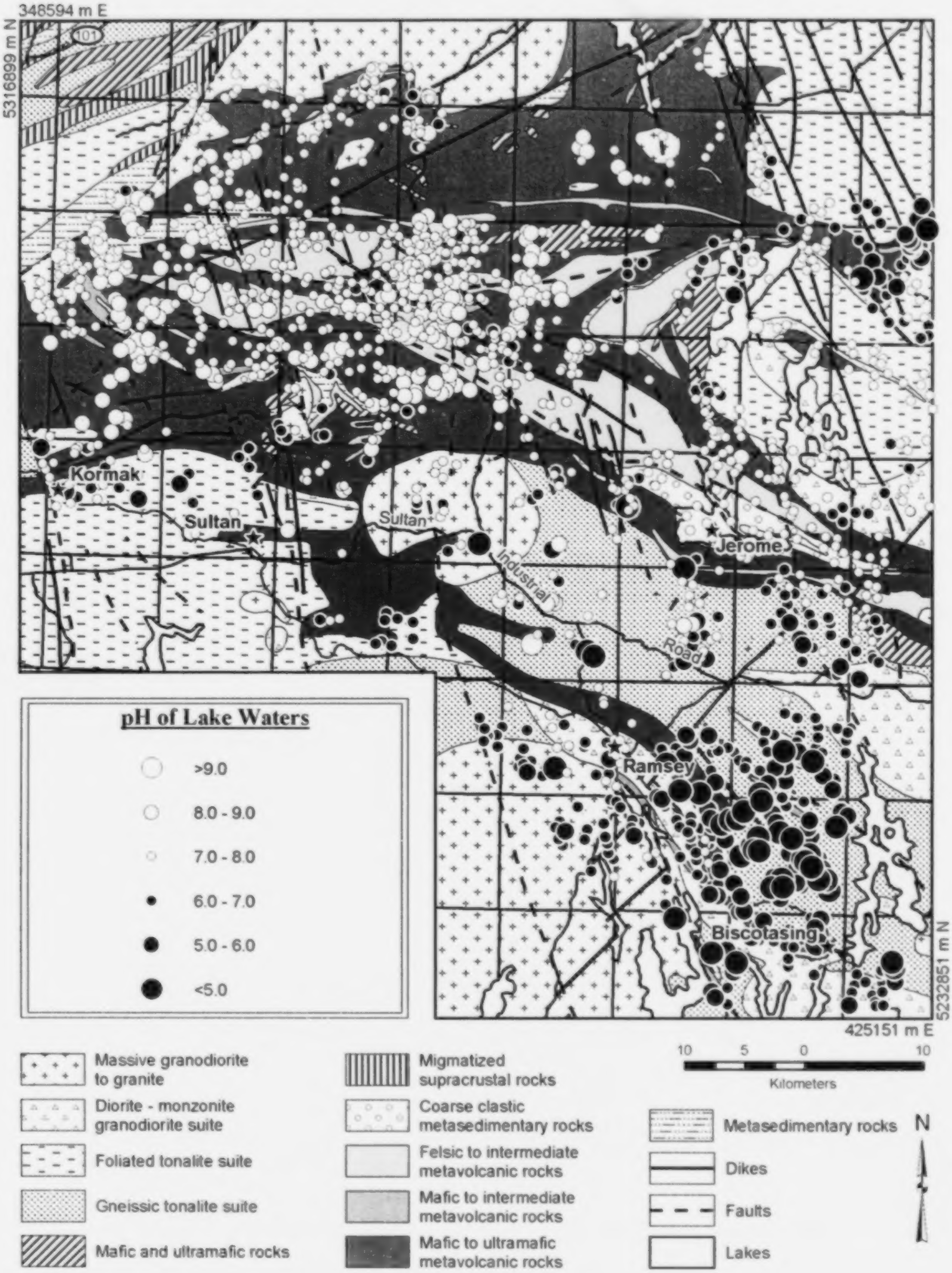
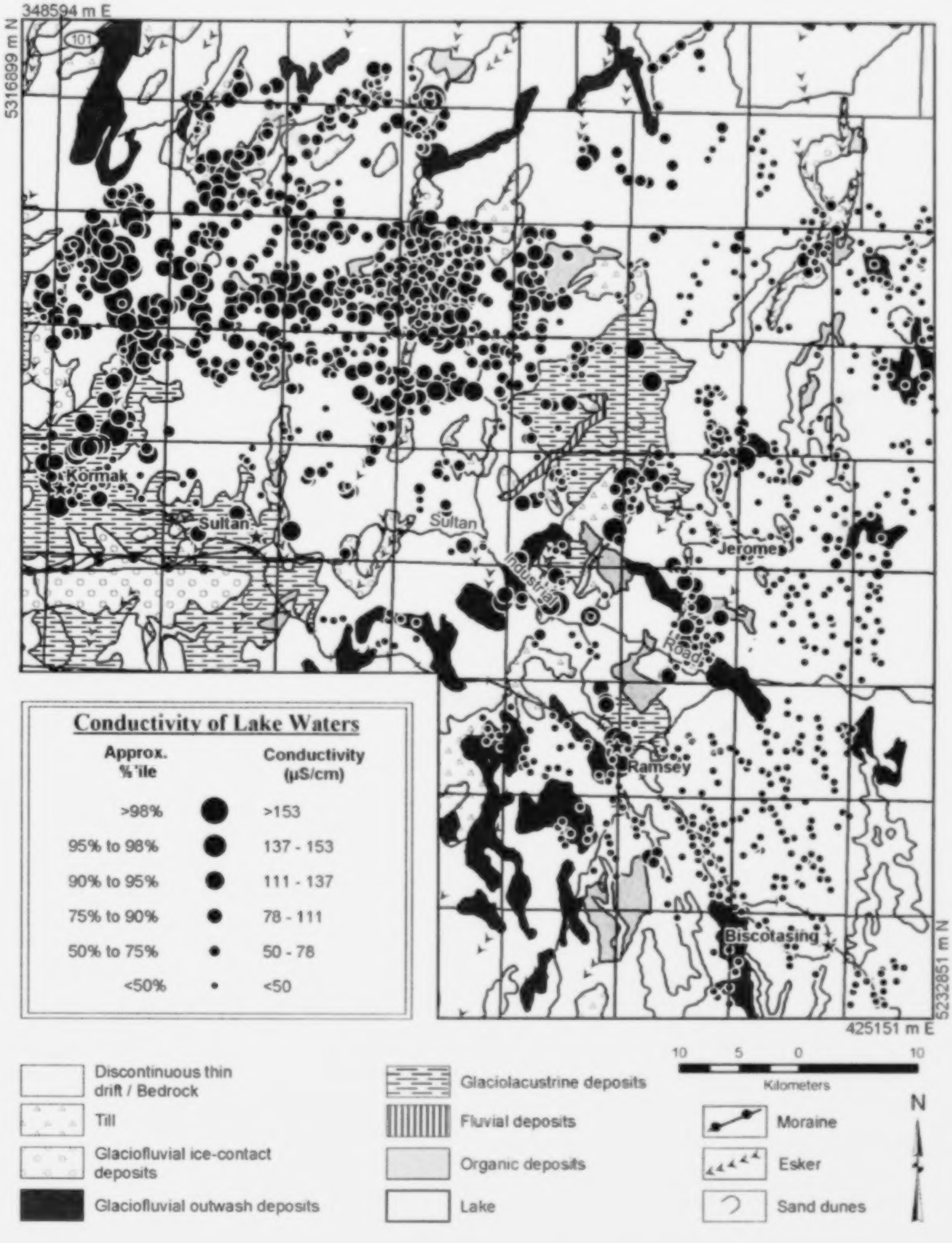
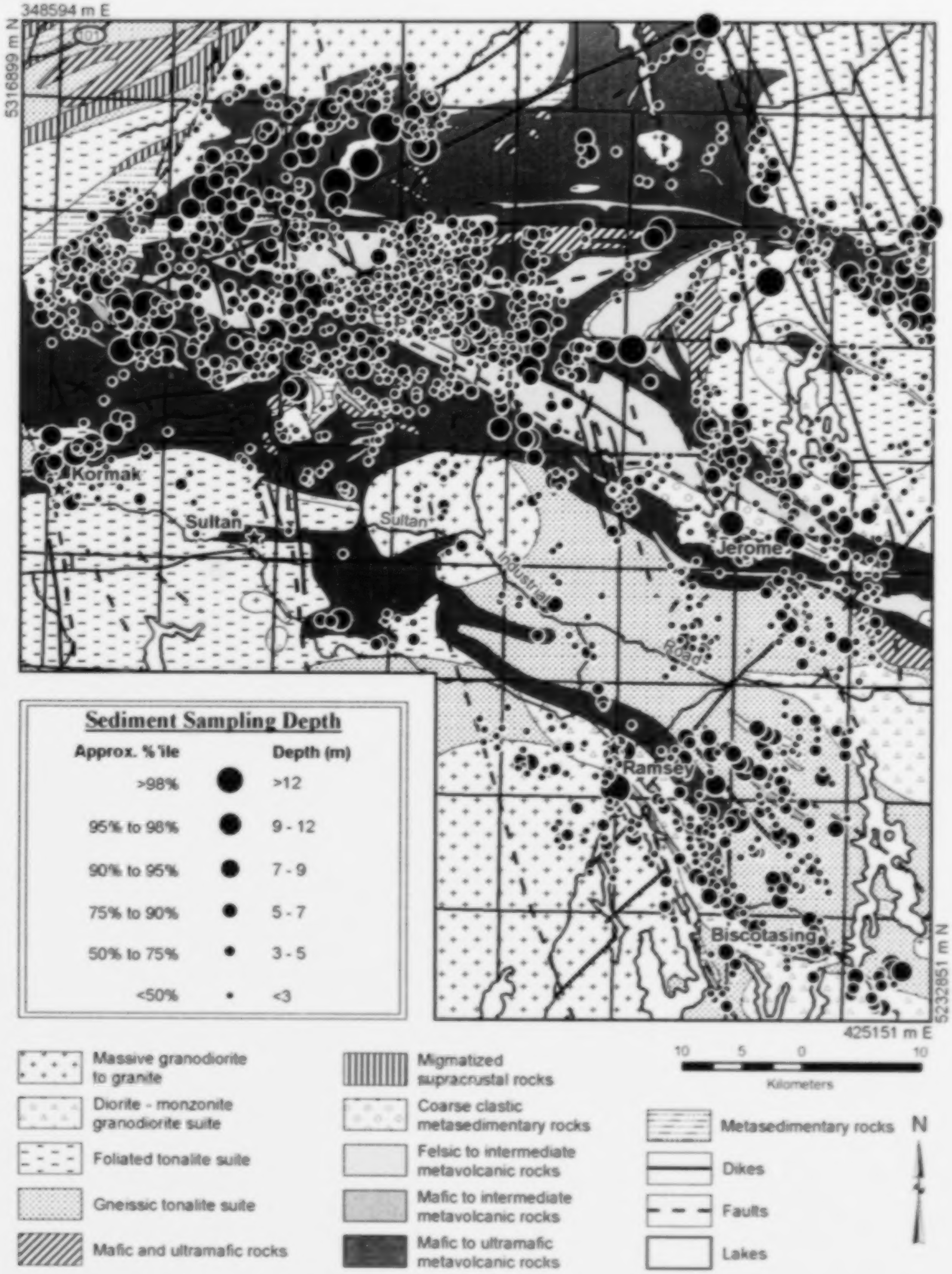
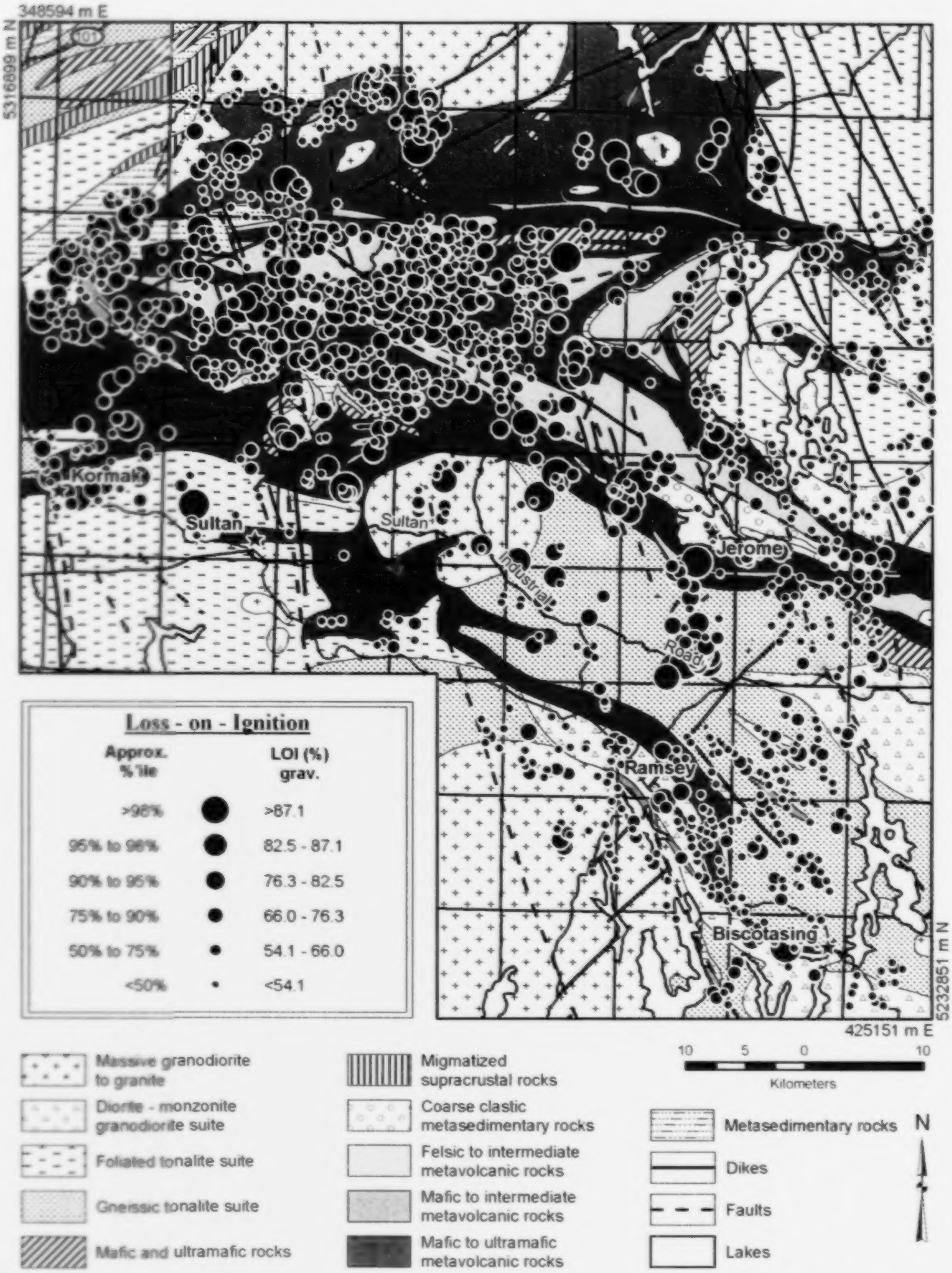
# Appendix 1

## Proportional Dot Maps of Lake Water pH, Electrical Conductivity, Sediment Sampling Depths and Sediment Loss-On-Ignition (%LOI)


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
pH of Lake Waters
>9.0
8.0 - 9.0
7.0 - 8.0
6.0 - 7.0
5.0 - 6.0
<5.0
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Conductivity of Lake Waters
Approx. %'ile
Conductivity (µS/cm)
>98% ● >153
95% to 98% ● 137 - 153
90% to 95% ● 111 - 137
75% to 90% ● 78 - 111
50% to 75% ● 50 - 78
<50% • <50
10 5 0 10
Kilometers
N
Discontinuous thin drift / Bedrock
Till
Glaciofluvial ice-contact deposits
Glaciofluvial outwash deposits
Glaciolacustrine deposits
Fluvial deposits
Organic deposits
Lake
Moraine
Esker
Sand dunes


348594 m E
5316899 m N
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Sediment Sampling Depth
Approx. % 'ile
Depth (m)
>98% >12
95% to 98% 9 - 12
90% to 95% 7 - 9
75% to 90% 5 - 7
50% to 75% 3 - 5
<50% <3
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Loss - on - Ignition
Approx. %'ile
LOI (%) grav.
>98% >87.1
95% to 98% 82.5 - 87.1
90% to 95% 76.3 - 82.5
75% to 90% 66.0 - 76.3
50% to 75% 54.1 - 66.0
<50% <54.1
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N

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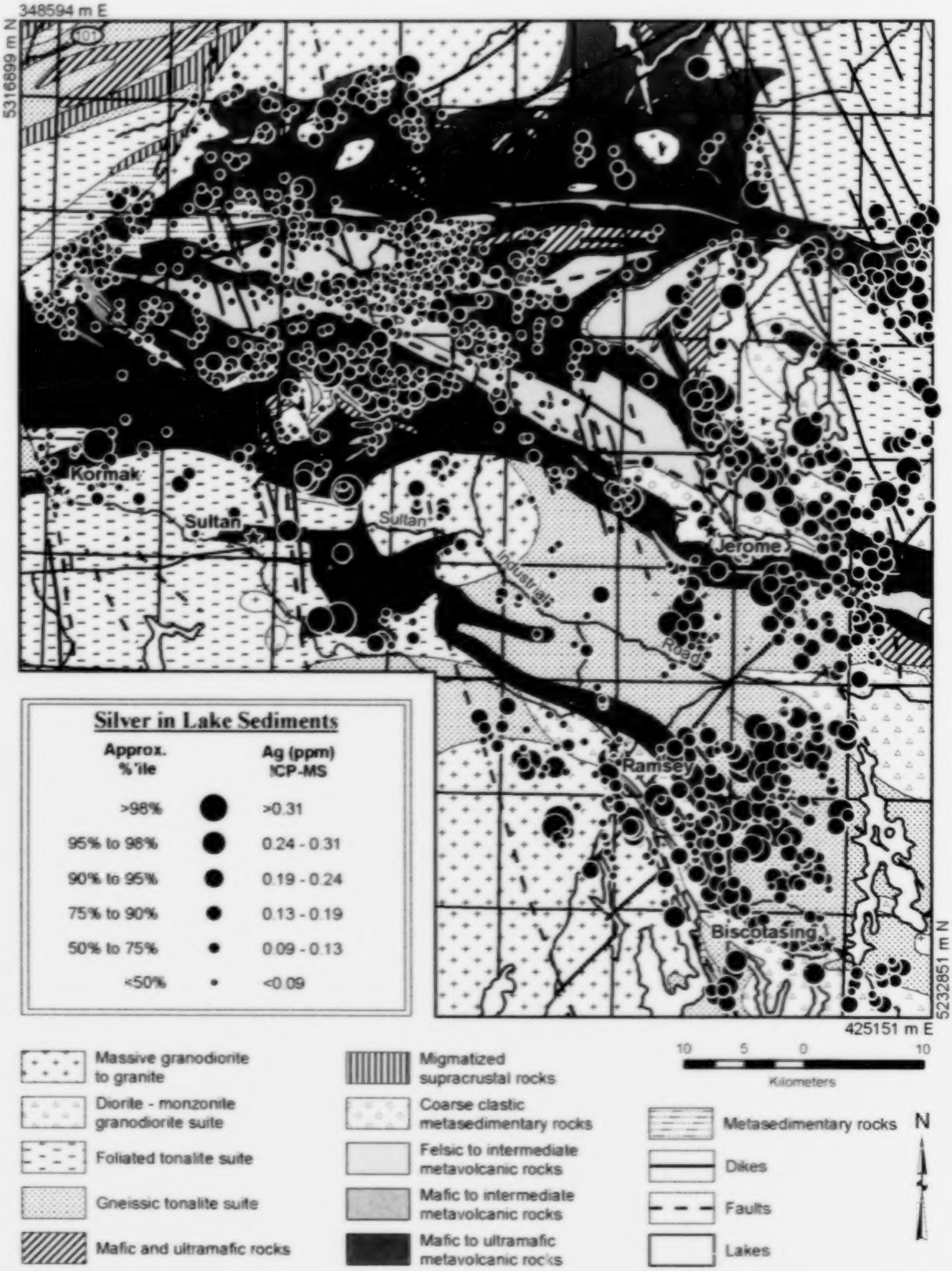
# Appendix 2

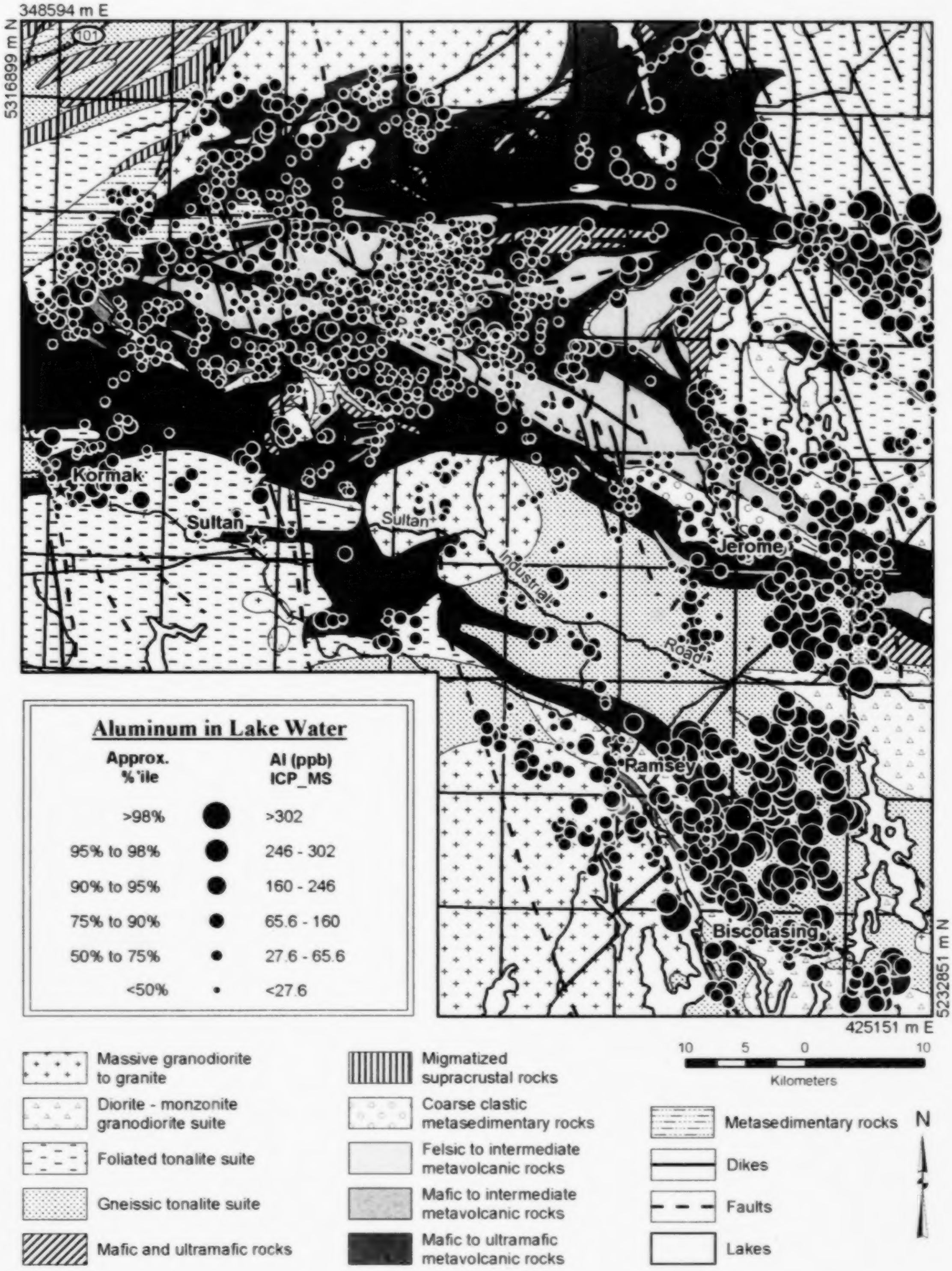
## Proportional Dot Maps of Ag, Al, As, Au, Ba, Be, Br, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, Hf, Hg, K, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, S, Sb, Sc, Sn, Sr, Ta, Th, Ti, Tl, Total REEs, U, V, W, Y, Zn, and Zr in Water and Sediment

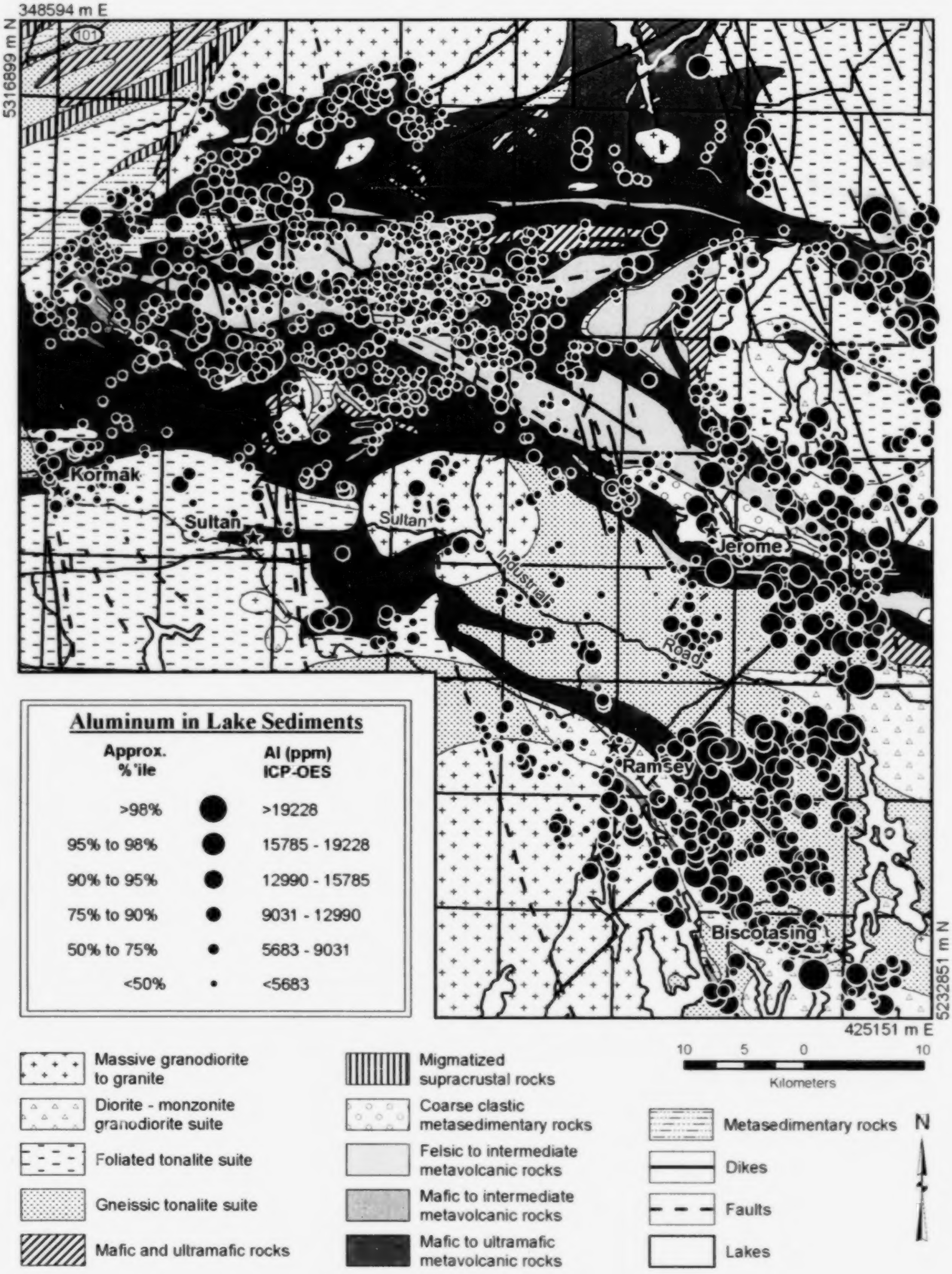
NOTE:

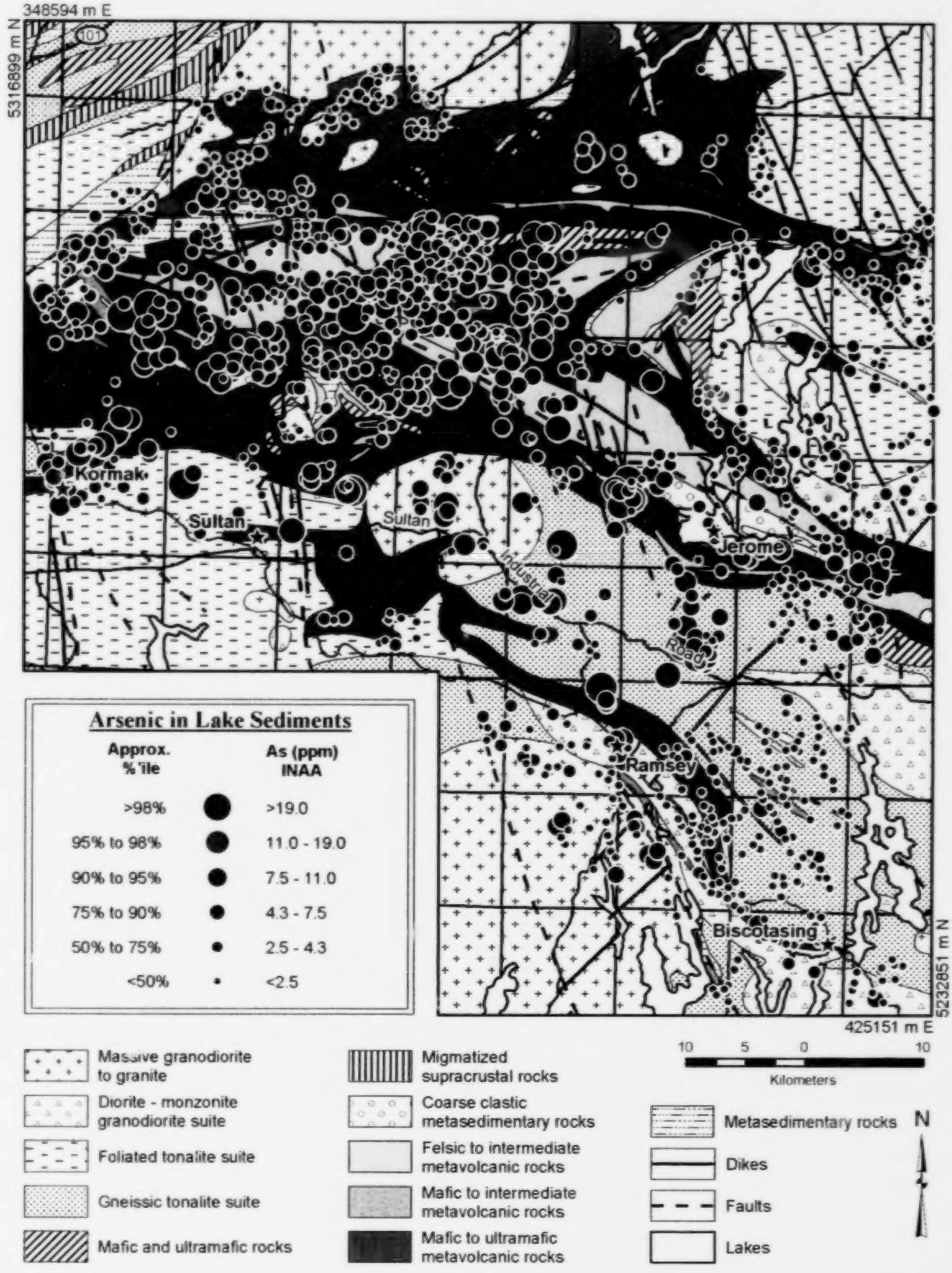
The following elements were not analyzed in water: As, Br, Hg, K, Na, P and S.

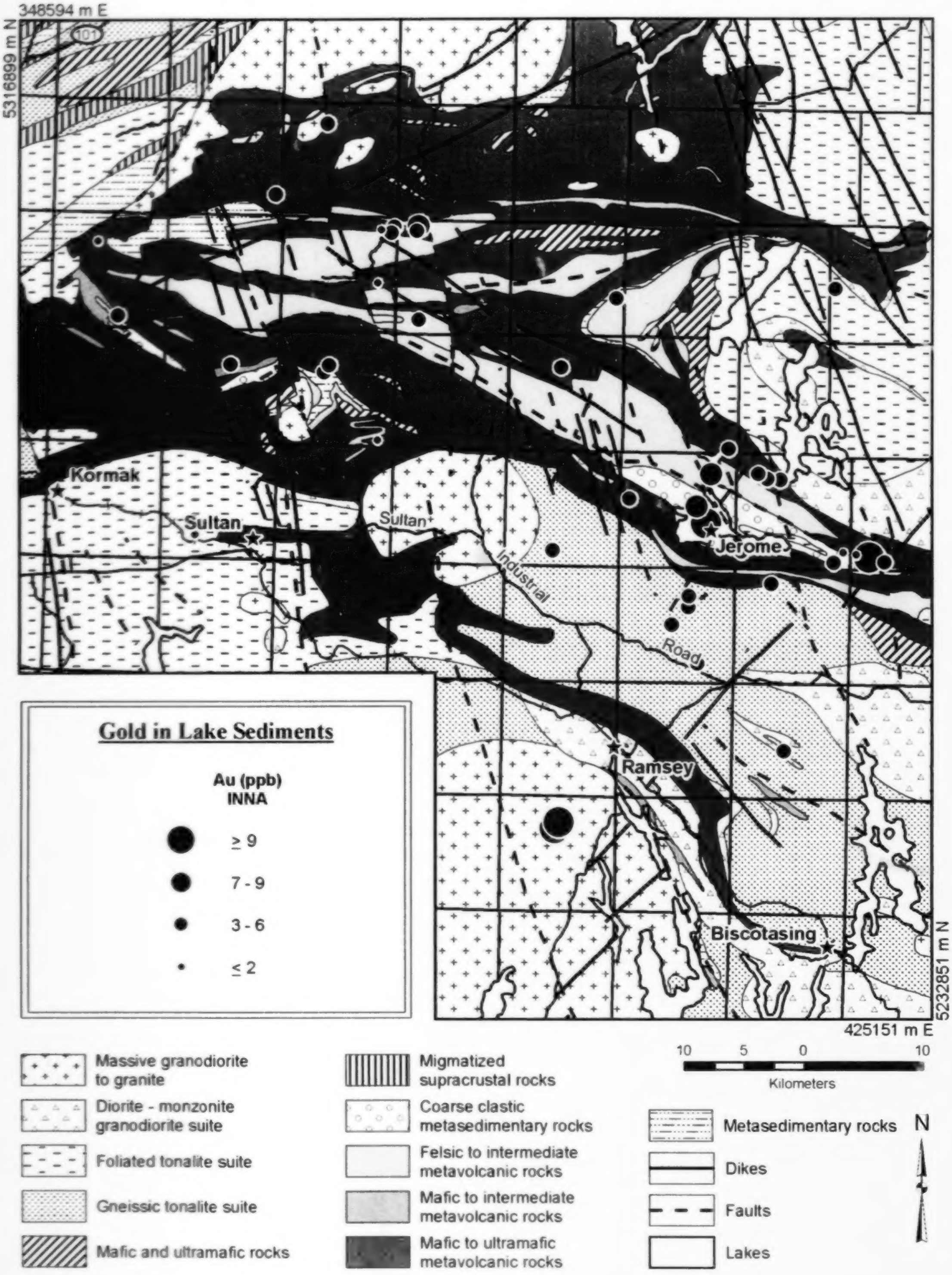
Dot plots are excluded for elements where there were insufficient data points for interpretation.

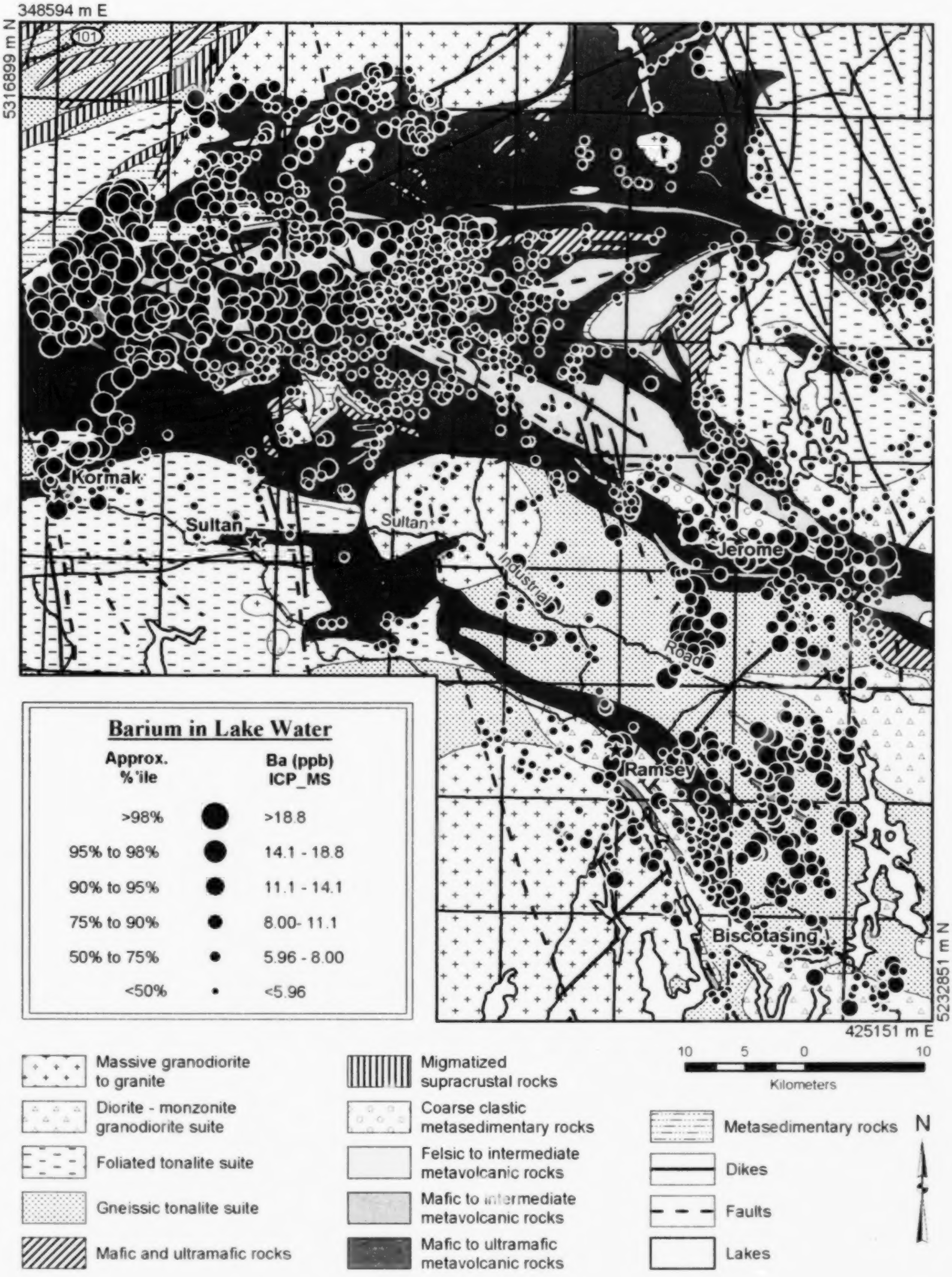

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Silver in Lake Sediments
Approx. %'ile
Ag (ppm) ICP-MS
>98% ● >0.31
95% to 98% ● 0.24 - 0.31
90% to 95% ● 0.19 - 0.24
75% to 90% ● 0.13 - 0.19
50% to 75% ● 0.09 - 0.13
<50% • <0.09
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N

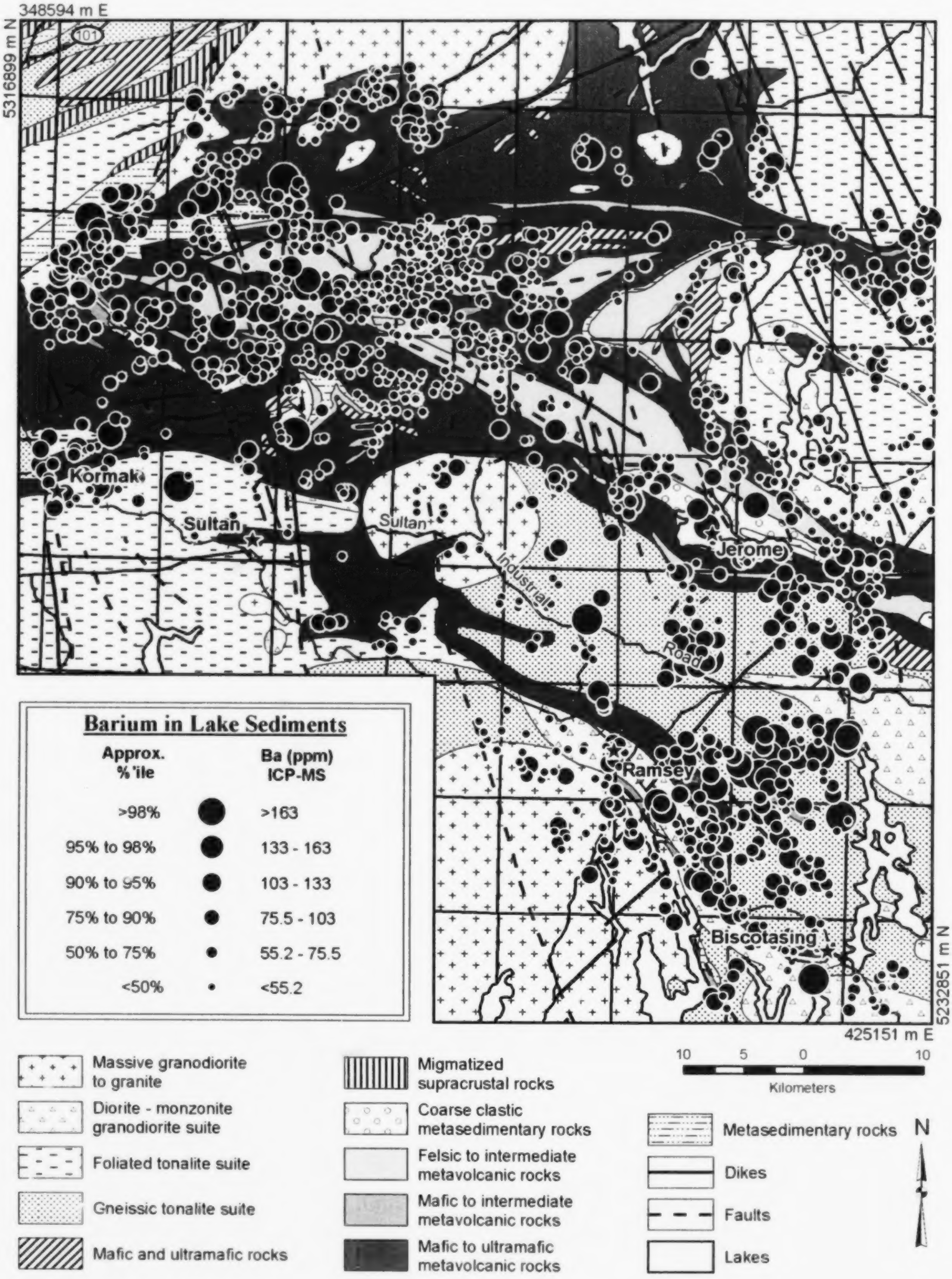

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Aluminum in Lake Water
Approx. %'ile
Al (ppb) ICP_MS
>98% >302
95% to 98% 246 - 302
90% to 95% 160 - 246
75% to 90% 65.6 - 160
50% to 75% 27.6 - 65.6
<50% <27.6
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N

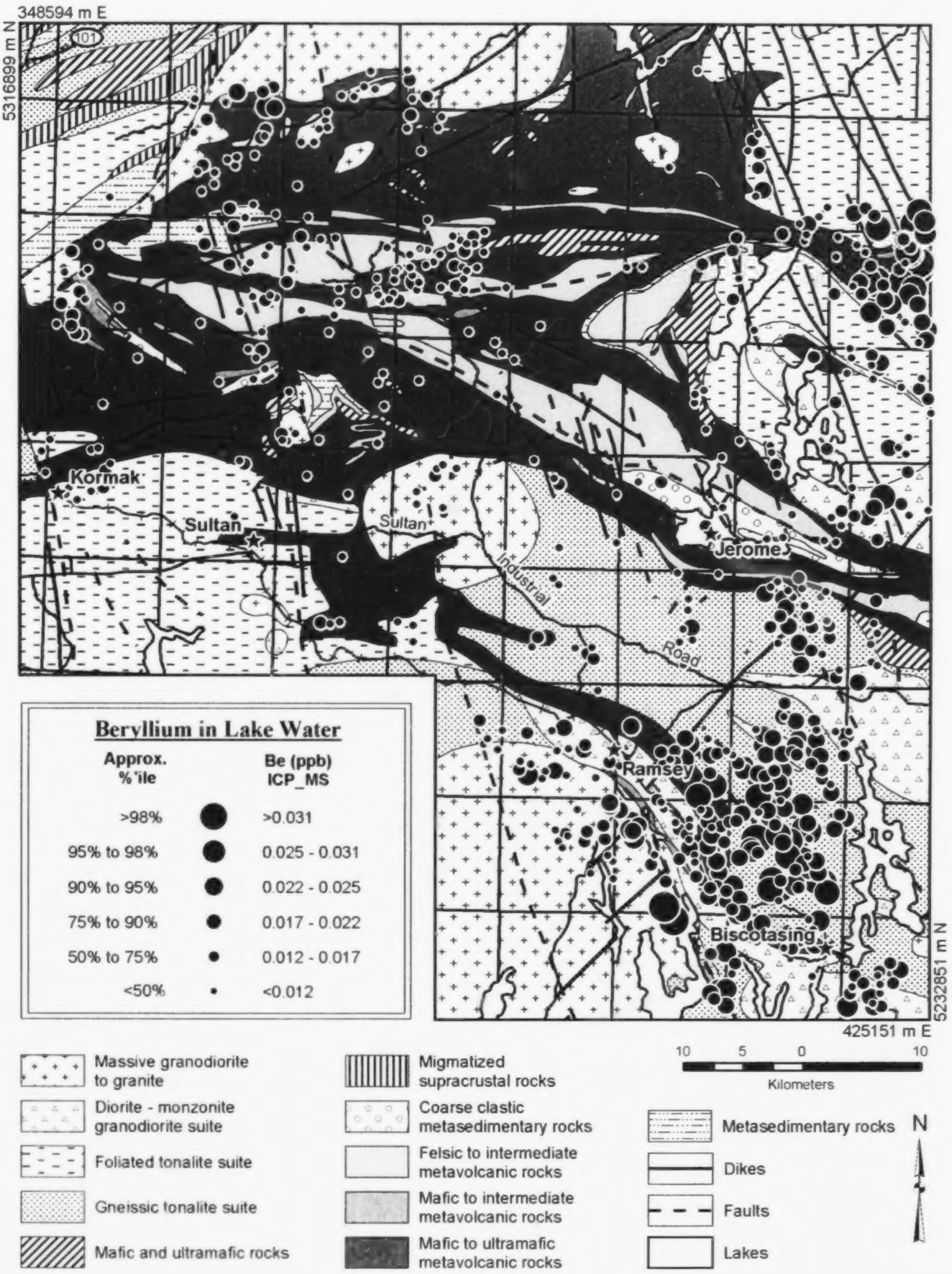

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Aluminum in Lake Sediments
Approx. %'ile
Al (ppm) ICP-OES
>98% >19228
95% to 98% 15785 - 19228
90% to 95% 12990 - 15785
75% to 90% 9031 - 12990
50% to 75% 5683 - 9031
<50% <5683
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes

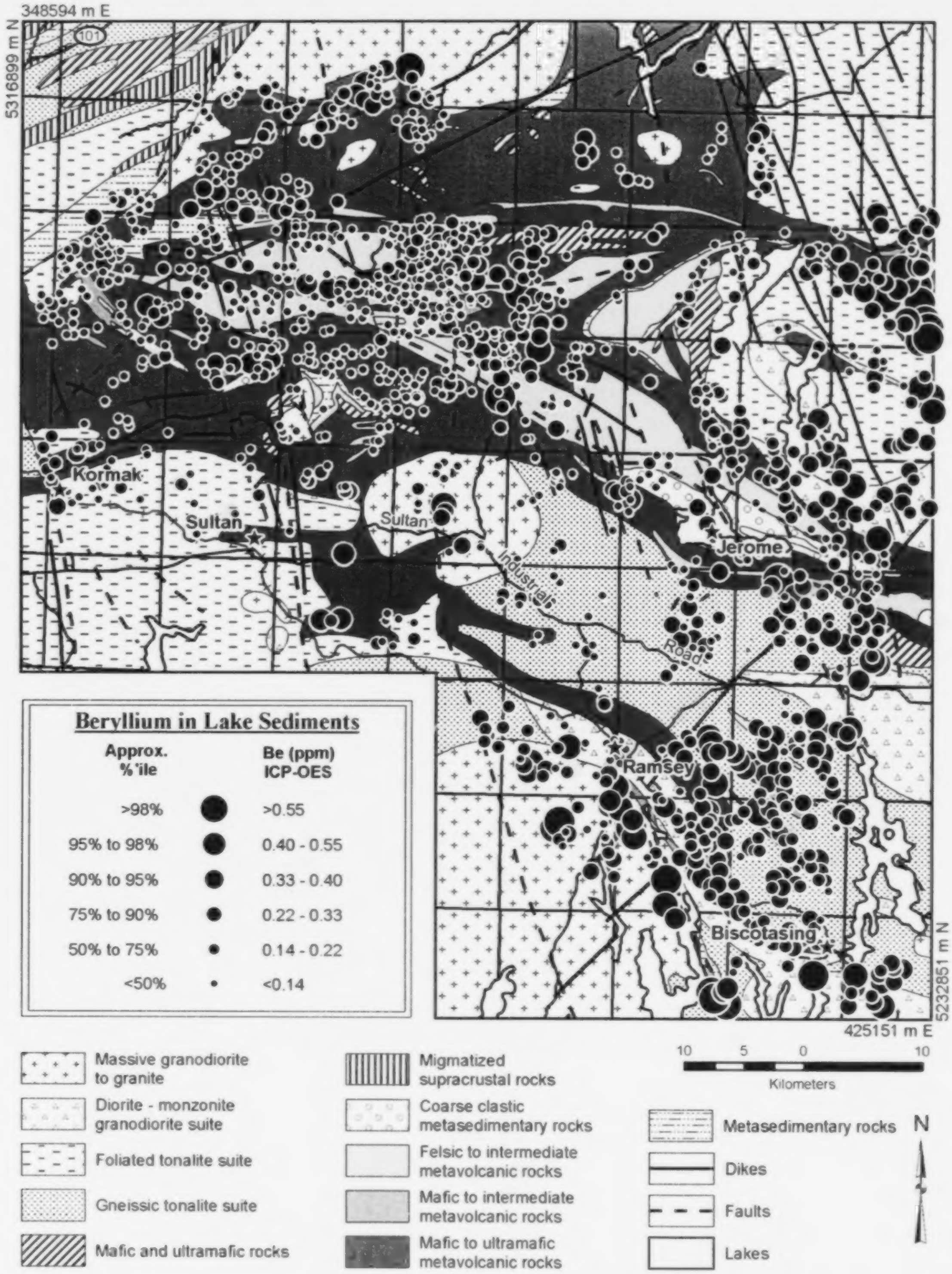

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Arsenic in Lake Sediments
Approx. %'ile
As (ppm) INAA
>98% >19.0
95% to 98% 11.0 - 19.0
90% to 95% 7.5 - 11.0
75% to 90% 4.3 - 7.5
50% to 75% 2.5 - 4.3
<50% <2.5
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N

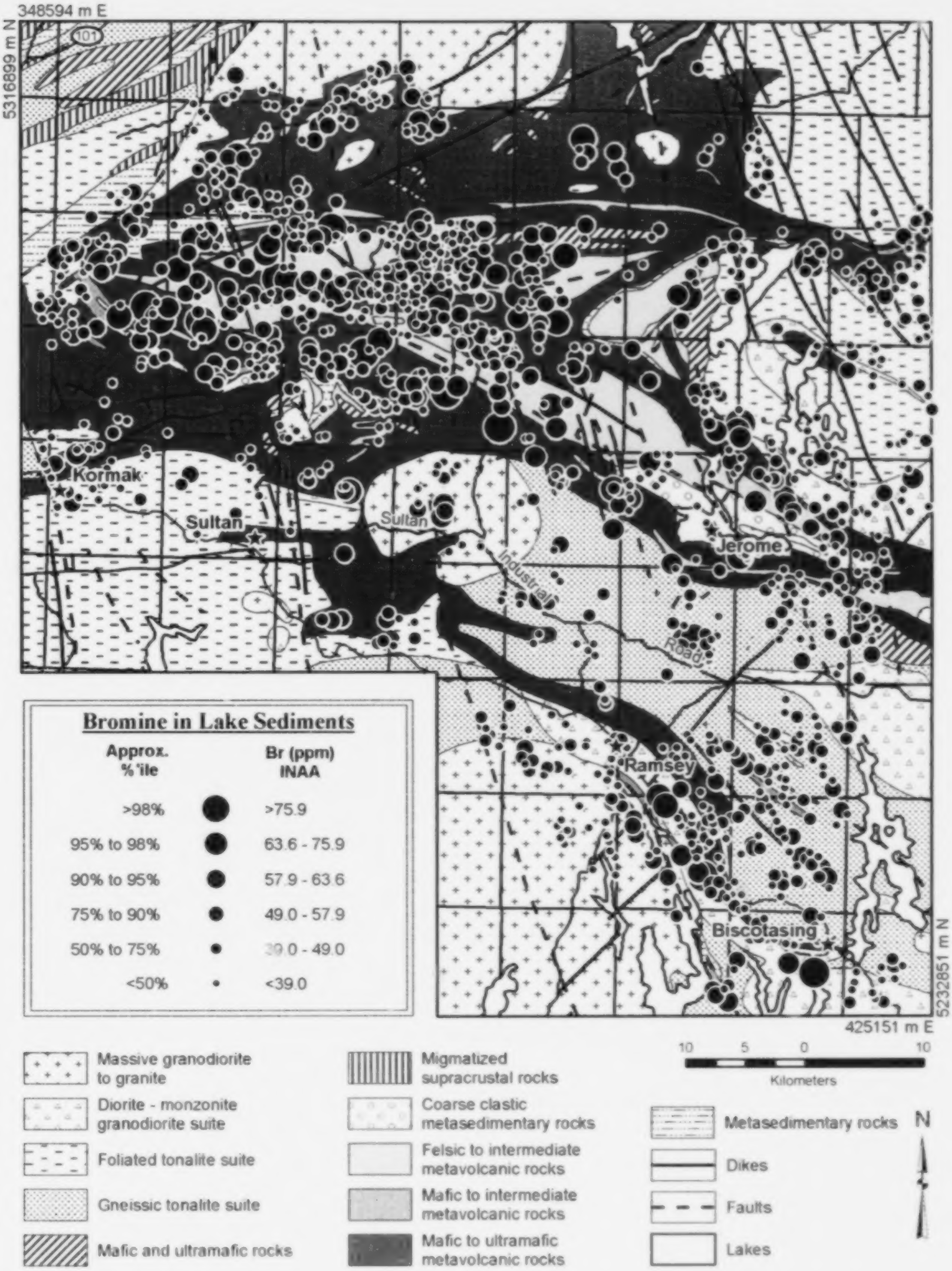

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Gold in Lake Sediments
Au (ppb)
INNA
≥ 9
7 - 9
3 - 6
≤ 2
10
5
0
10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N

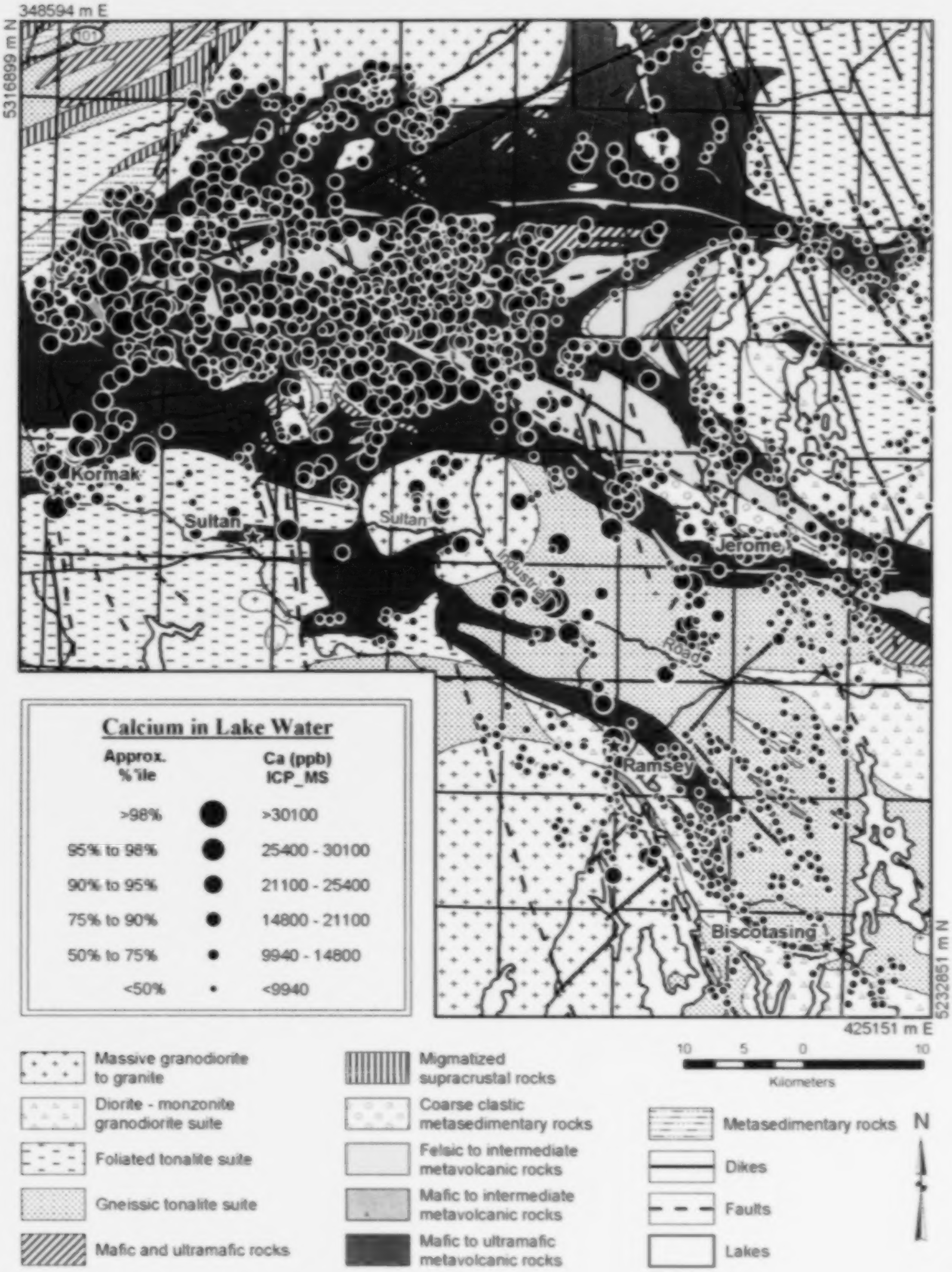

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Barium in Lake Water
Approx. %'ile
Ba (ppb) ICP_MS
>98% >18.8
95% to 98% 14.1 - 18.8
90% to 95% 11.1 - 14.1
75% to 90% 8.00- 11.1
50% to 75% 5.96 - 8.00
<50% <5.96
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N

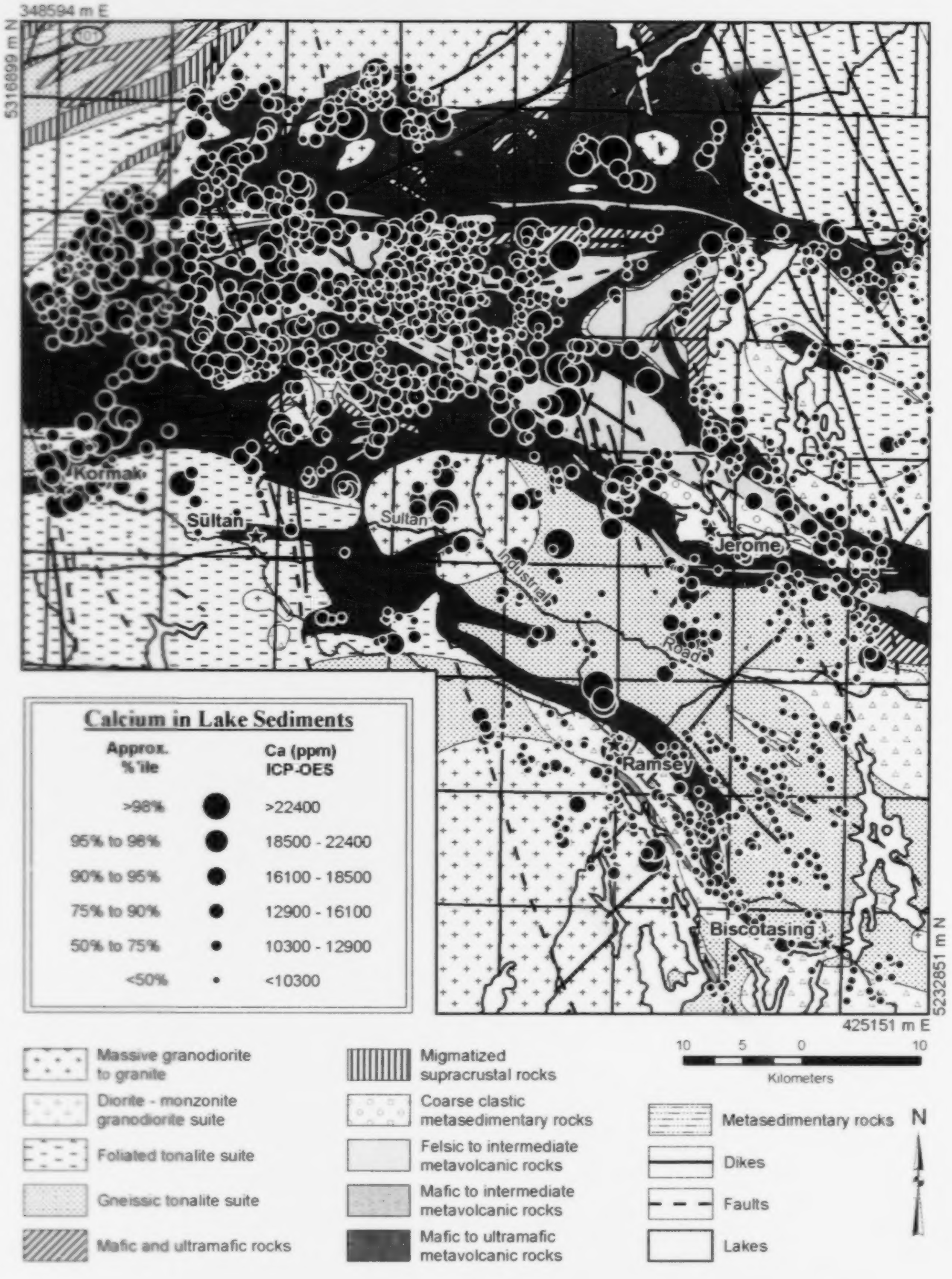

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Barium in Lake Sediments
Approx. %'ile
Ba (ppm) ICP-MS
>98% >163
95% to 98% 133 - 163
90% to 95% 103 - 133
75% to 90% 75.5 - 103
50% to 75% 55.2 - 75.5
<50% <55.2
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes

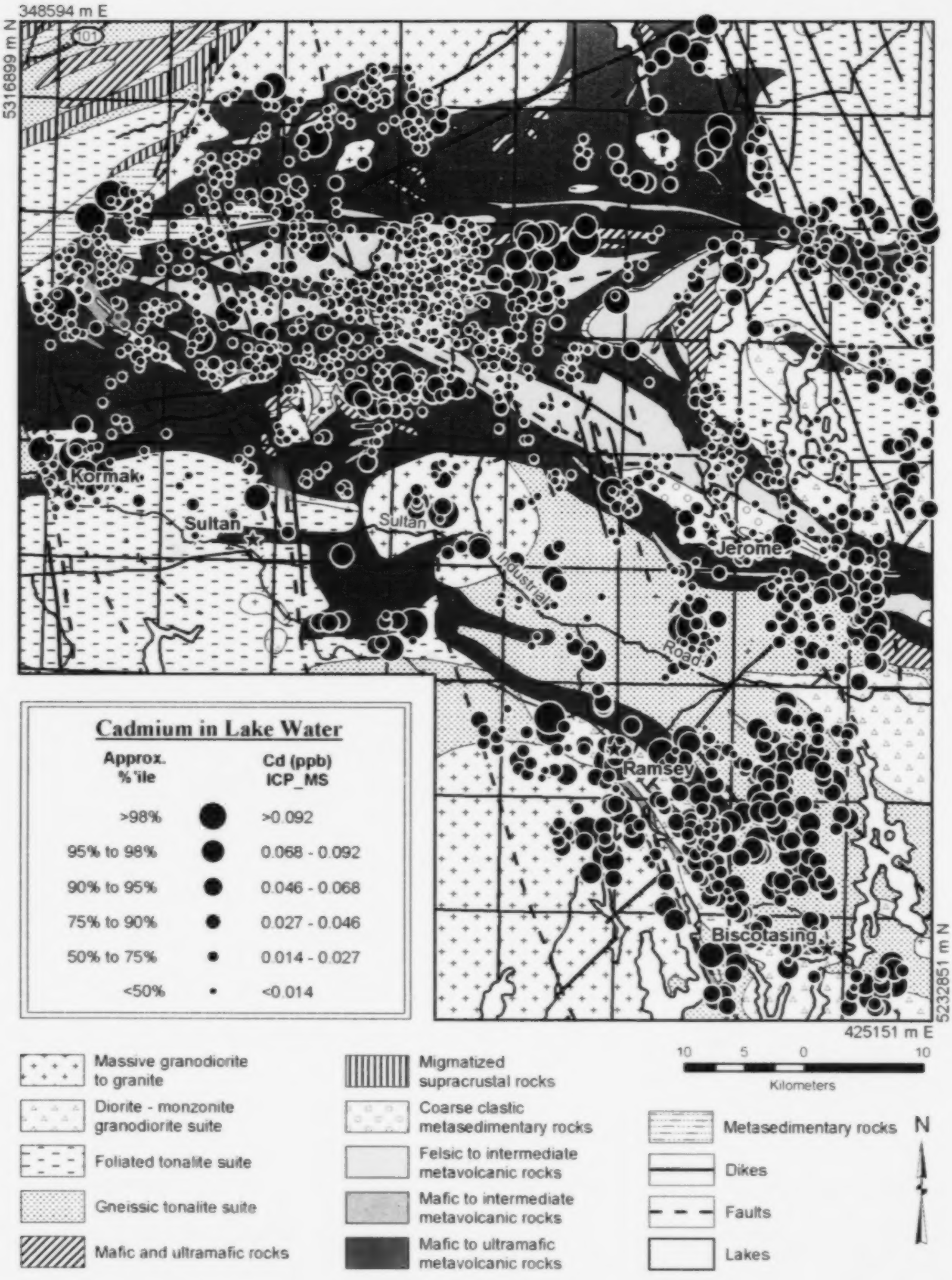

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Beryllium in Lake Water
Approx. %'ile
Be (ppb) ICP_MS
>98% ● >0.031
95% to 98% ● 0.025 - 0.031
90% to 95% ● 0.022 - 0.025
75% to 90% ● 0.017 - 0.022
50% to 75% • 0.012 - 0.017
<50% • <0.012
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N

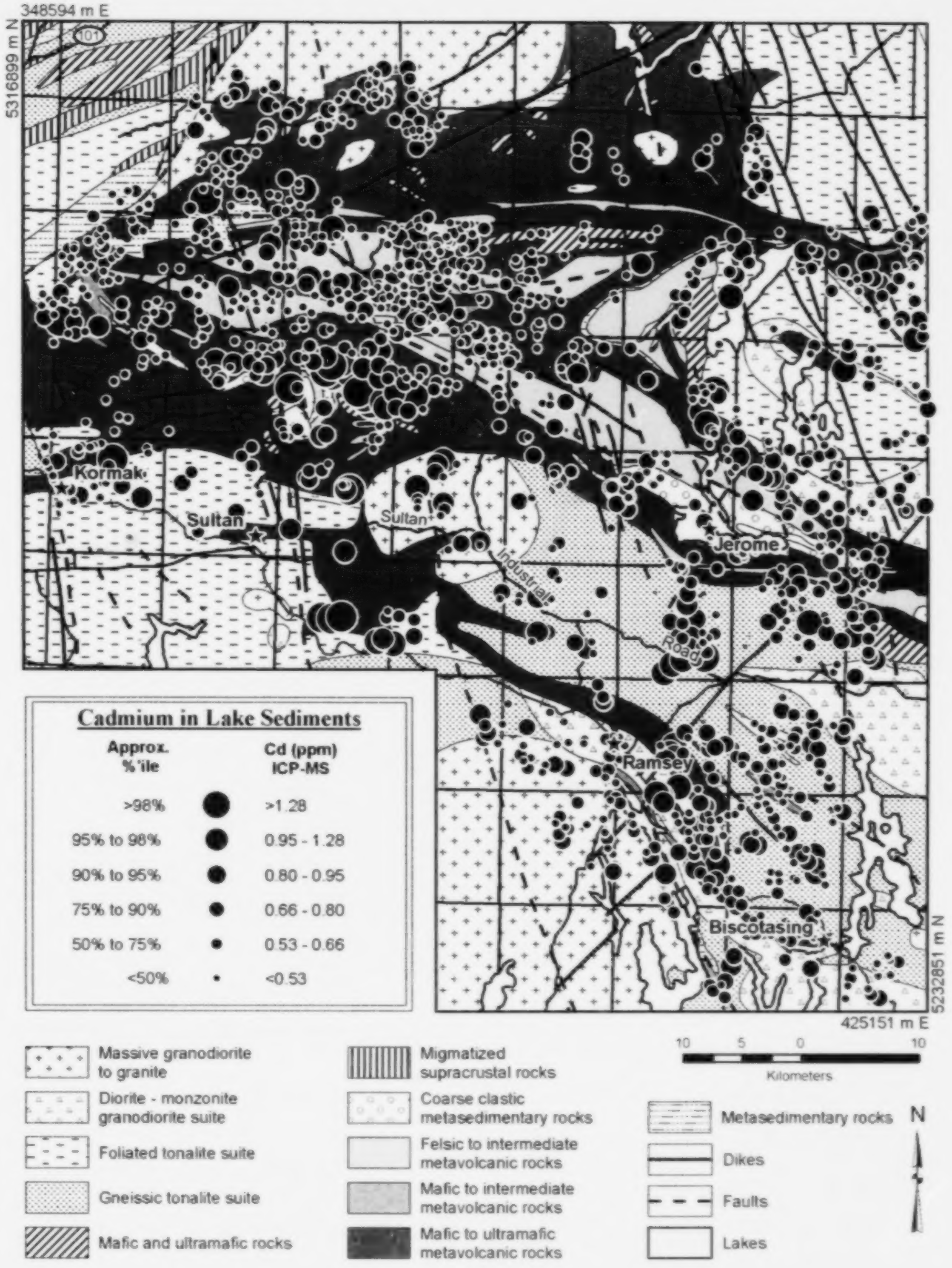

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
425151 m E
5232851 m N
Beryllium in Lake Sediments
Approx. %'ile
Be (ppm) ICP-OES
>98% ● >0.55
95% to 98% ● 0.40 - 0.55
90% to 95% ● 0.33 - 0.40
75% to 90% ● 0.22 - 0.33
50% to 75% • 0.14 - 0.22
<50% • <0.14
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
10 5 0 10
Kilometers
Metasedimentary rocks
Dikes
Faults
Lakes
N

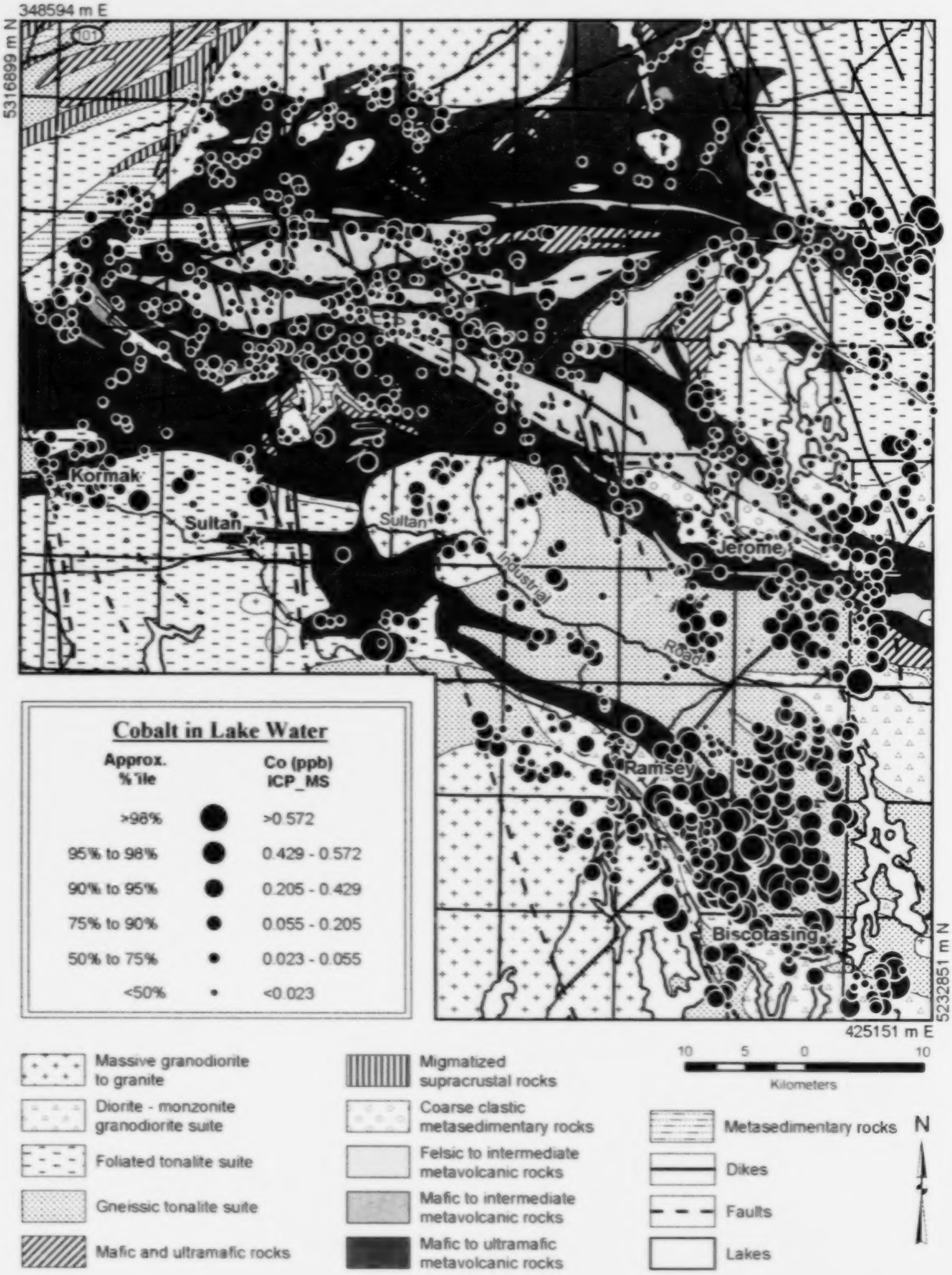

348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Bromine in Lake Sediments
Approx. %'ile
Br (ppm) INAA
>98% ● >75.9
95% to 98% ● 63.6 - 75.9
90% to 95% ● 57.9 - 63.6
75% to 90% ● 49.0 - 57.9
50% to 75% ● 39.0 - 49.0
<50% • <39.0
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Calcium in Lake Water
Approx. %'ile
Ca (ppb) ICP_MS
>98% >30100
95% to 98% 25400 - 30100
90% to 95% 21100 - 25400
75% to 90% 14800 - 21100
50% to 75% 9940 - 14800
<50% <9940
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Calcium in Lake Sediments
Approx. %'ile
Ca (ppm) ICP-OES
>98%
>22400
95% to 98%
18500 - 22400
90% to 95%
16100 - 18500
75% to 90%
12900 - 16100
50% to 75%
10300 - 12900
<50%
<10300
10
5
0
10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
425151 m E
5232851 m N
Cadmium in Lake Water
Approx. %'ile
Cd (ppb) ICP_MS
>98% ● >0.092
95% to 98% ● 0.068 - 0.092
90% to 95% ● 0.046 - 0.068
75% to 90% ● 0.027 - 0.046
50% to 75% ● 0.014 - 0.027
<50% • <0.014
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Cadmium in Lake Sediments
Approx. %'ile
Cd (ppm) ICP-MS
>98% >1.28
95% to 98% 0.95 - 1.28
90% to 95% 0.80 - 0.95
75% to 90% 0.66 - 0.80
50% to 75% 0.53 - 0.66
<50% <0.53
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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5316899 m N
101
Kormak
Sultan
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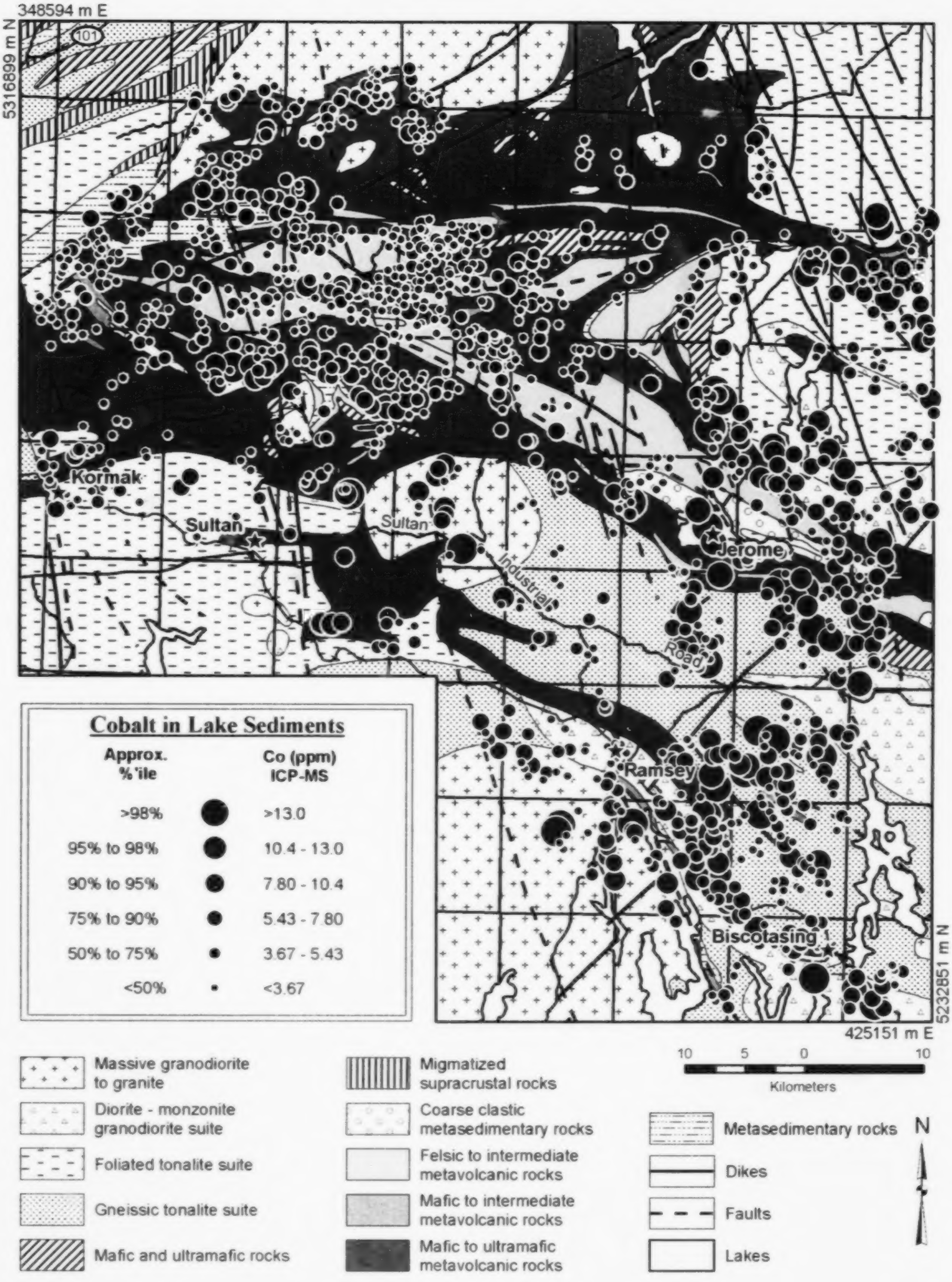
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Cobalt in Lake Water
Approx. %'ile
Co (ppb) ICP_MS
>98% >0.572
95% to 98% 0.429 - 0.572
90% to 95% 0.205 - 0.429
75% to 90% 0.055 - 0.205
50% to 75% 0.023 - 0.055
<50% <0.023
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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Industrial
Road
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Biscotasing
5232851 m N
425151 m E
Cobalt in Lake Sediments
Approx. %'ile
Co (ppm) ICP-MS
>98% >13.0
95% to 98% 10.4 - 13.0
90% to 95% 7.80 - 10.4
75% to 90% 5.43 - 7.80
50% to 75% 3.67 - 5.43
<50% <3.67
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
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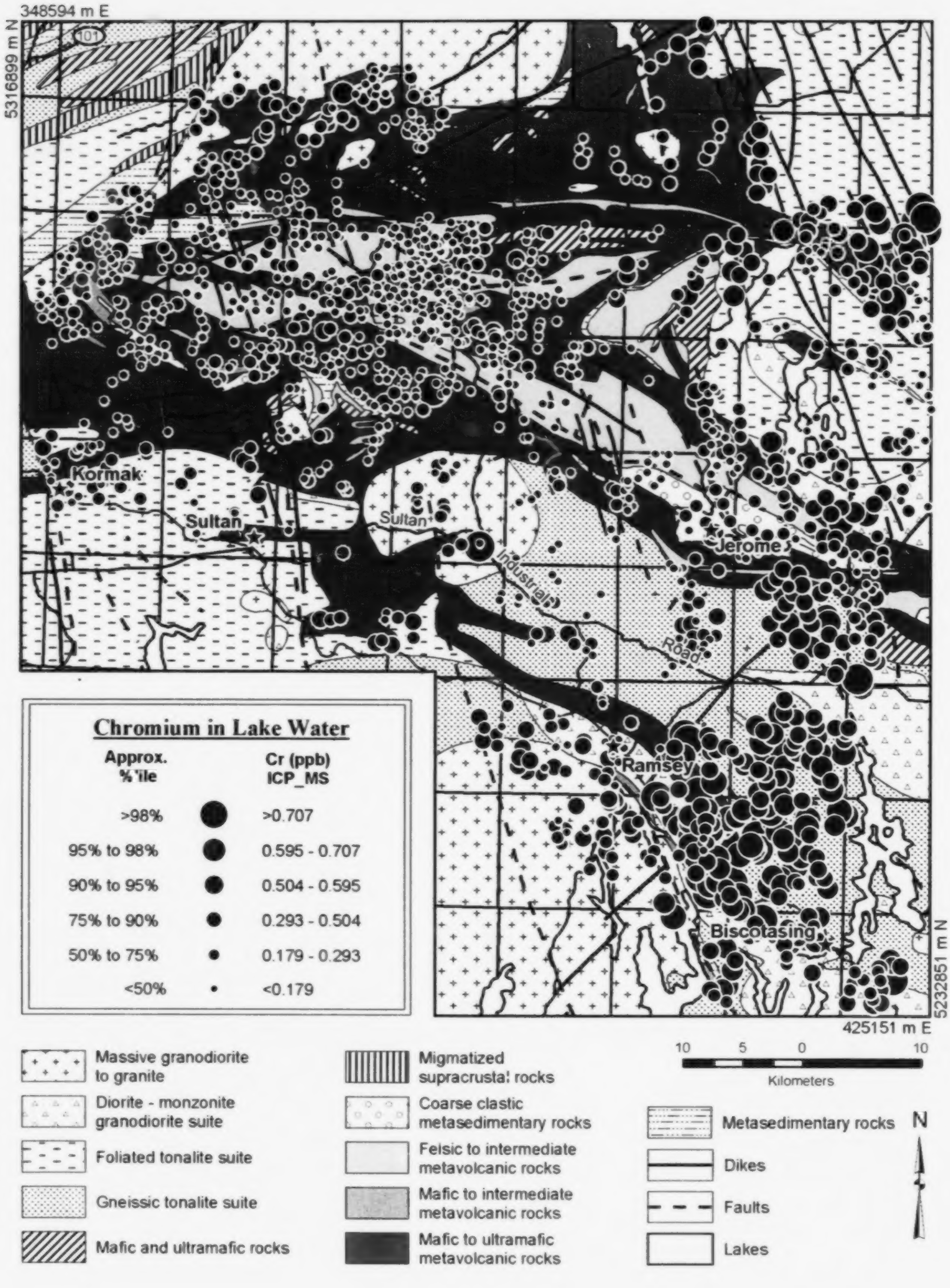
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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Biscotasing
5232851 m N
425151 m E
Chromium in Lake Water
Approx. %'ile
Cr (ppb) ICP_MS
>98% >0.707
95% to 98% 0.595 - 0.707
90% to 95% 0.504 - 0.595
75% to 90% 0.293 - 0.504
50% to 75% 0.179 - 0.293
<50% <0.179
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
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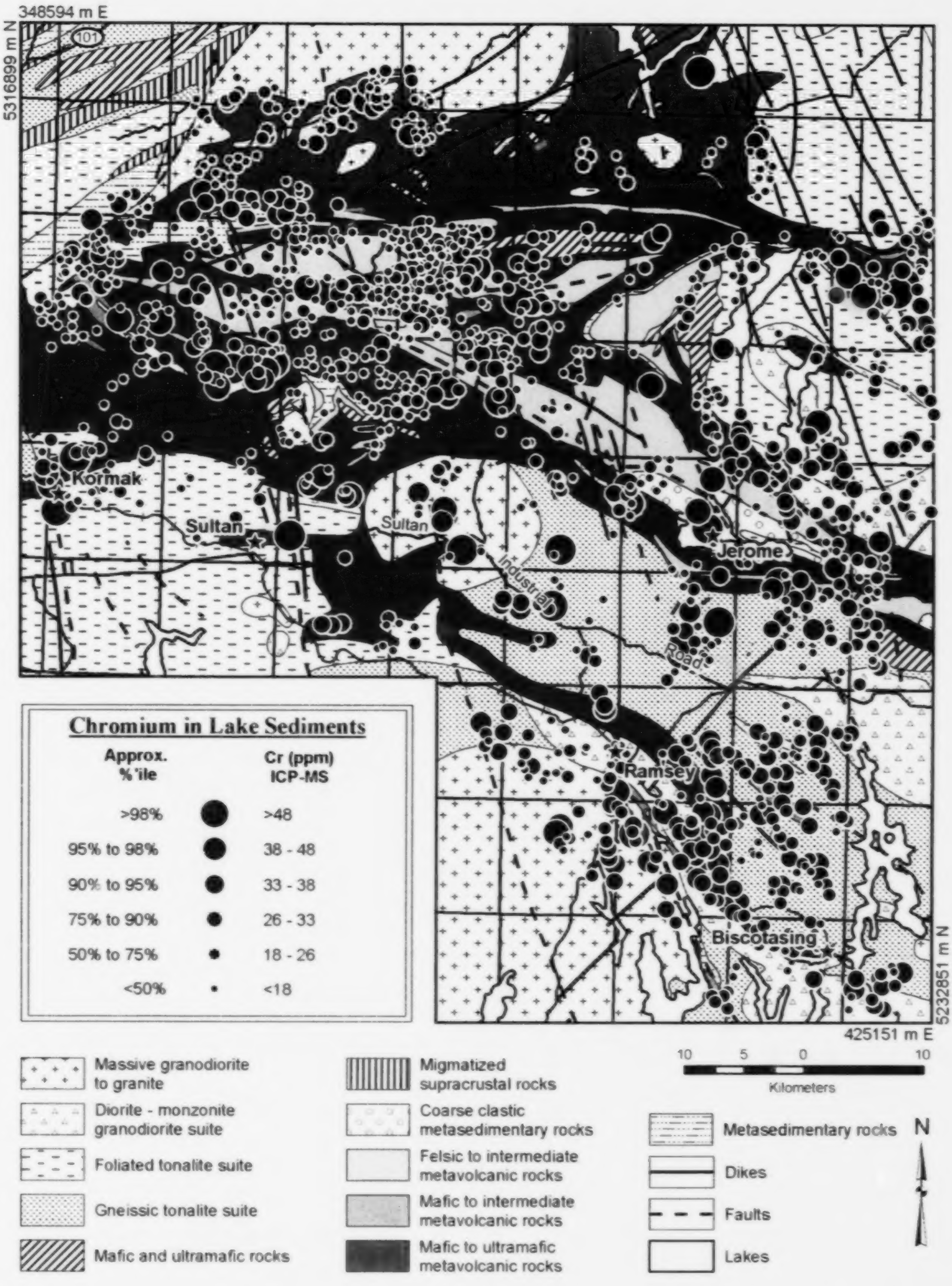
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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Ramsey
Biscotasing
5232851 m N
425151 m E
Chromium in Lake Sediments
Approx. %'ile
Cr (ppm) ICP-MS
>98% >48
95% to 98% 38 - 48
90% to 95% 33 - 38
75% to 90% 26 - 33
50% to 75% 18 - 26
<50% <18
10 5 0 10
Kilometers
N
Massive granodiorite to granite
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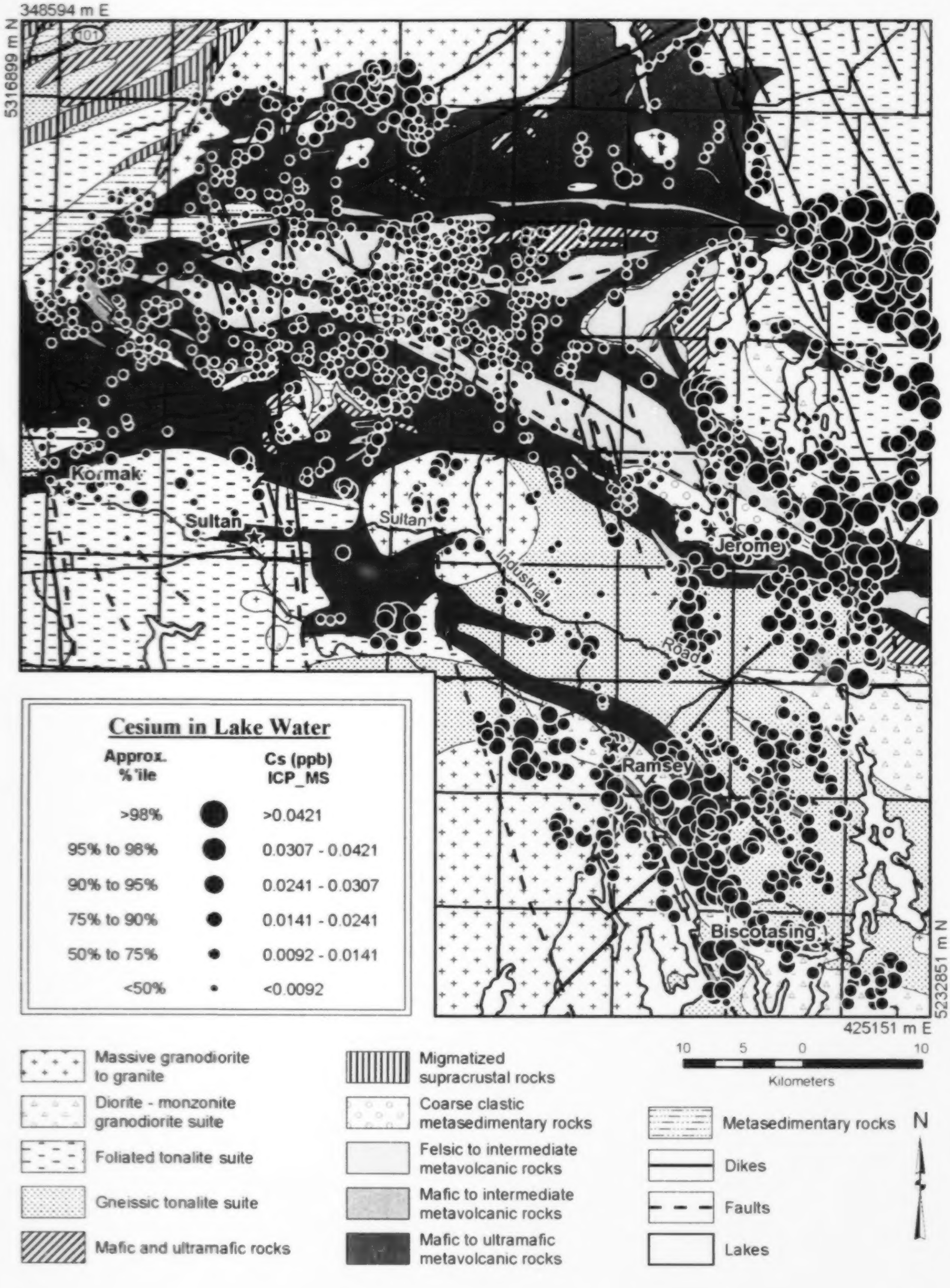
Metasedimentary rocks
Dikes
Faults
Lakes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Biscotasing
5232851 m N
425151 m E
Cesium in Lake Water
Approx. %'ile
Cs (ppb) ICP_MS
>98%
>0.0421
95% to 98%
0.0307 - 0.0421
90% to 95%
0.0241 - 0.0307
75% to 90%
0.0141 - 0.0241
50% to 75%
0.0092 - 0.0141
<50%
<0.0092
10
5
0
10
Kilometers
Massive granodiorite to granite
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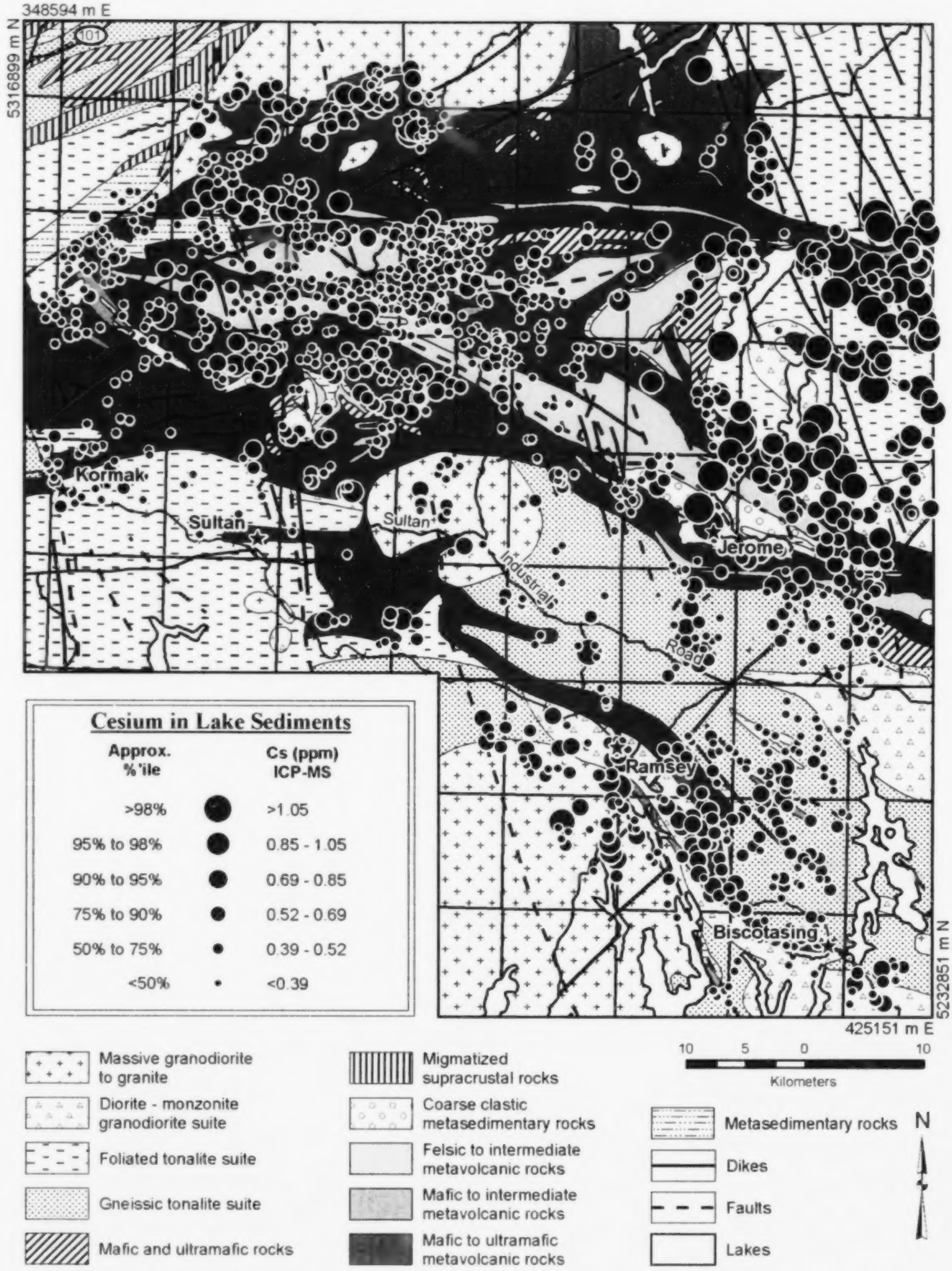
Metasedimentary rocks
Dikes
Faults
Lakes
N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Industrial
Road
Jerome
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Biscotasing
5232851 m N
425151 m E
Cesium in Lake Sediments
Approx. %'ile
Cs (ppm) ICP-MS
>98% ● >1.05
95% to 98% ● 0.85 - 1.05
90% to 95% ● 0.69 - 0.85
75% to 90% ● 0.52 - 0.69
50% to 75% ● 0.39 - 0.52
<50% • <0.39
10 5 0 10
Kilometers
N
Massive granodiorite to granite
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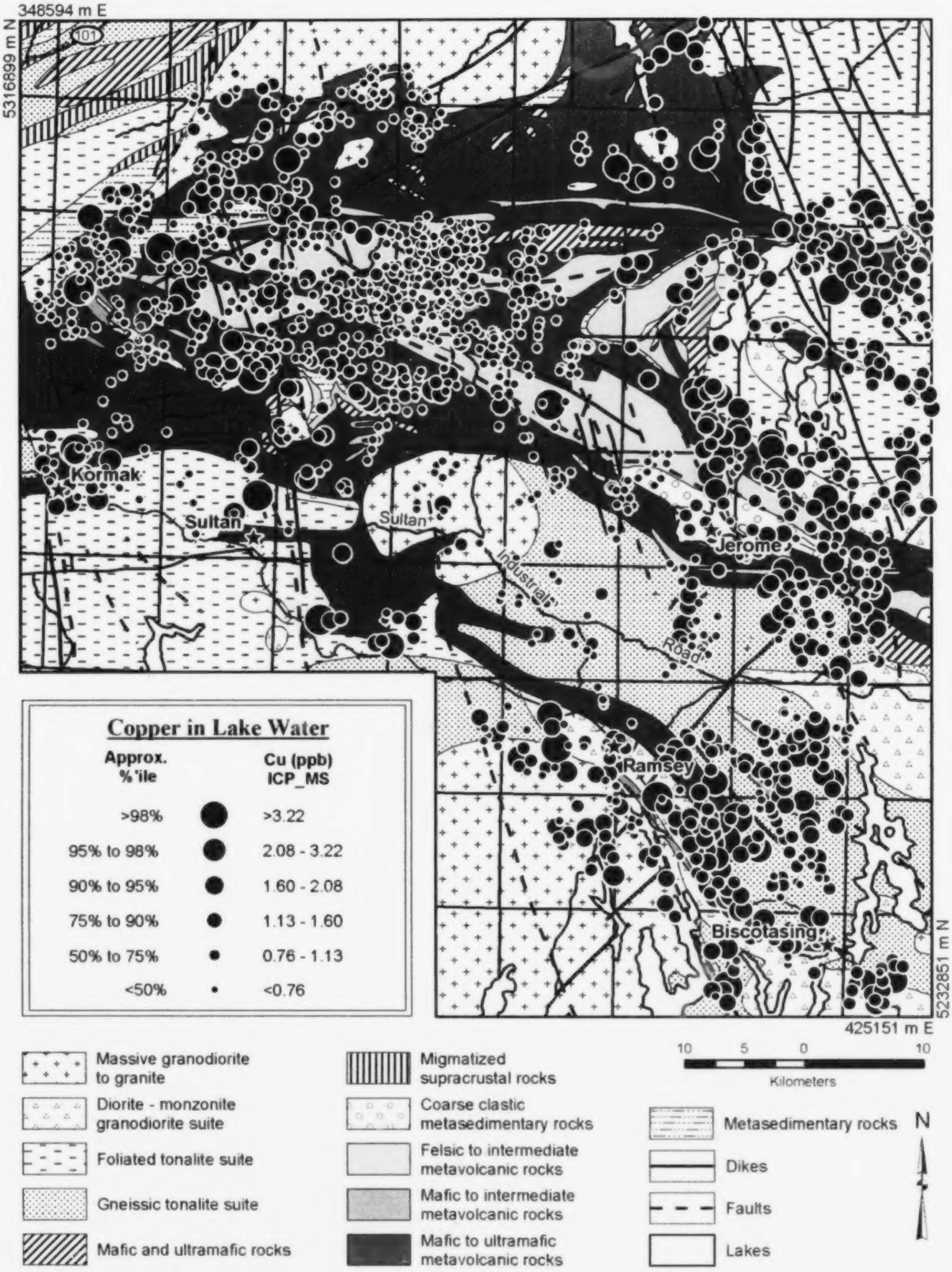

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Industrial
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5232851 m N
425151 m E
Copper in Lake Water
Approx. % 'ile
Cu (ppb) ICP_MS
>98% >3.22
95% to 98% 2.08 - 3.22
90% to 95% 1.60 - 2.08
75% to 90% 1.13 - 1.60
50% to 75% 0.76 - 1.13
<50% <0.76
10 5 0 10
Kilometers
Massive granodiorite to granite
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Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
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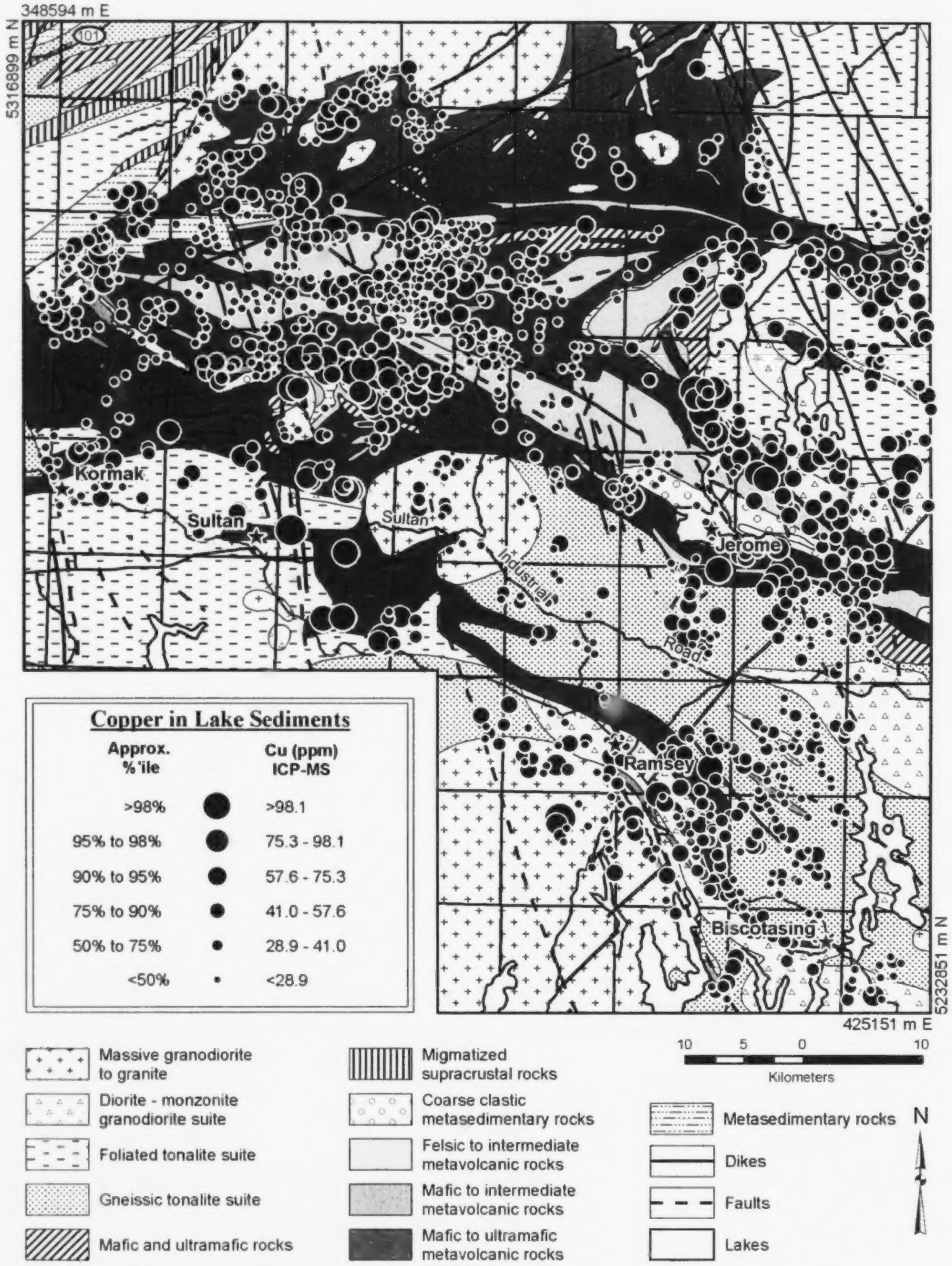
Faults
Lakes
N



348594 m E
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Industrial
Road
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Biscotasing
5232851 m N
425151 m E
Copper in Lake Sediments
Approx. %'ile
Cu (ppm) ICP-MS
>98% >98.1
95% to 98% 75.3 - 98.1
90% to 95% 57.6 - 75.3
75% to 90% 41.0 - 57.6
50% to 75% 28.9 - 41.0
<50% <28.9
10 5 0 10
Kilometers
Massive granodiorite to granite
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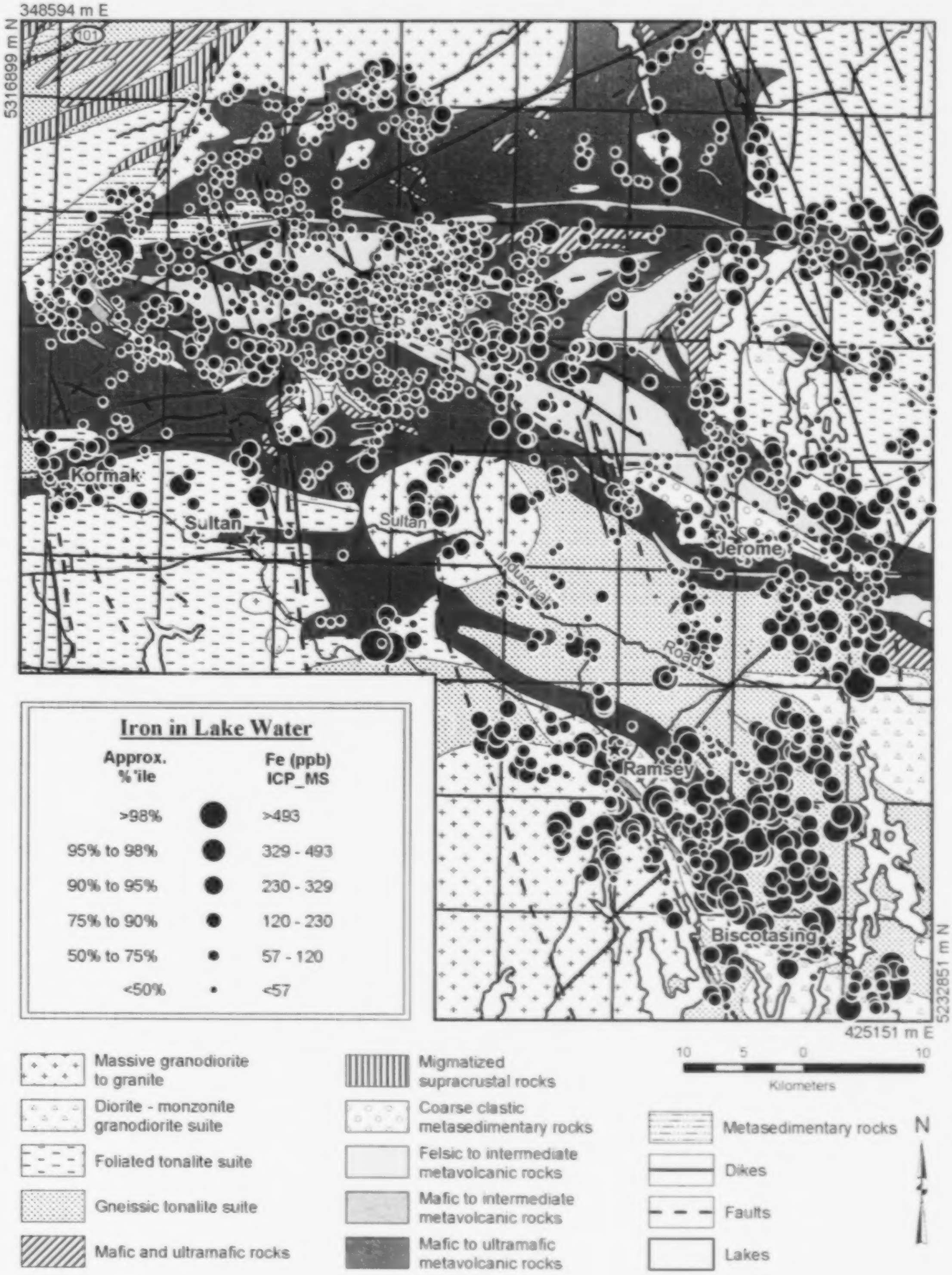
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Industrial
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Jerome
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Biscotasing
5232851 m N
425151 m E
Iron in Lake Water
Approx. %'ile
Fe (ppb) ICP_MS
>98% ● >493
95% to 98% ● 329 - 493
90% to 95% ● 230 - 329
75% to 90% ● 120 - 230
50% to 75% ● 57 - 120
<50% • <57
10 5 0 10
Kilometers
N
Massive granodiorite to granite
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Foliated tonalite suite
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Mafic and ultramafic rocks
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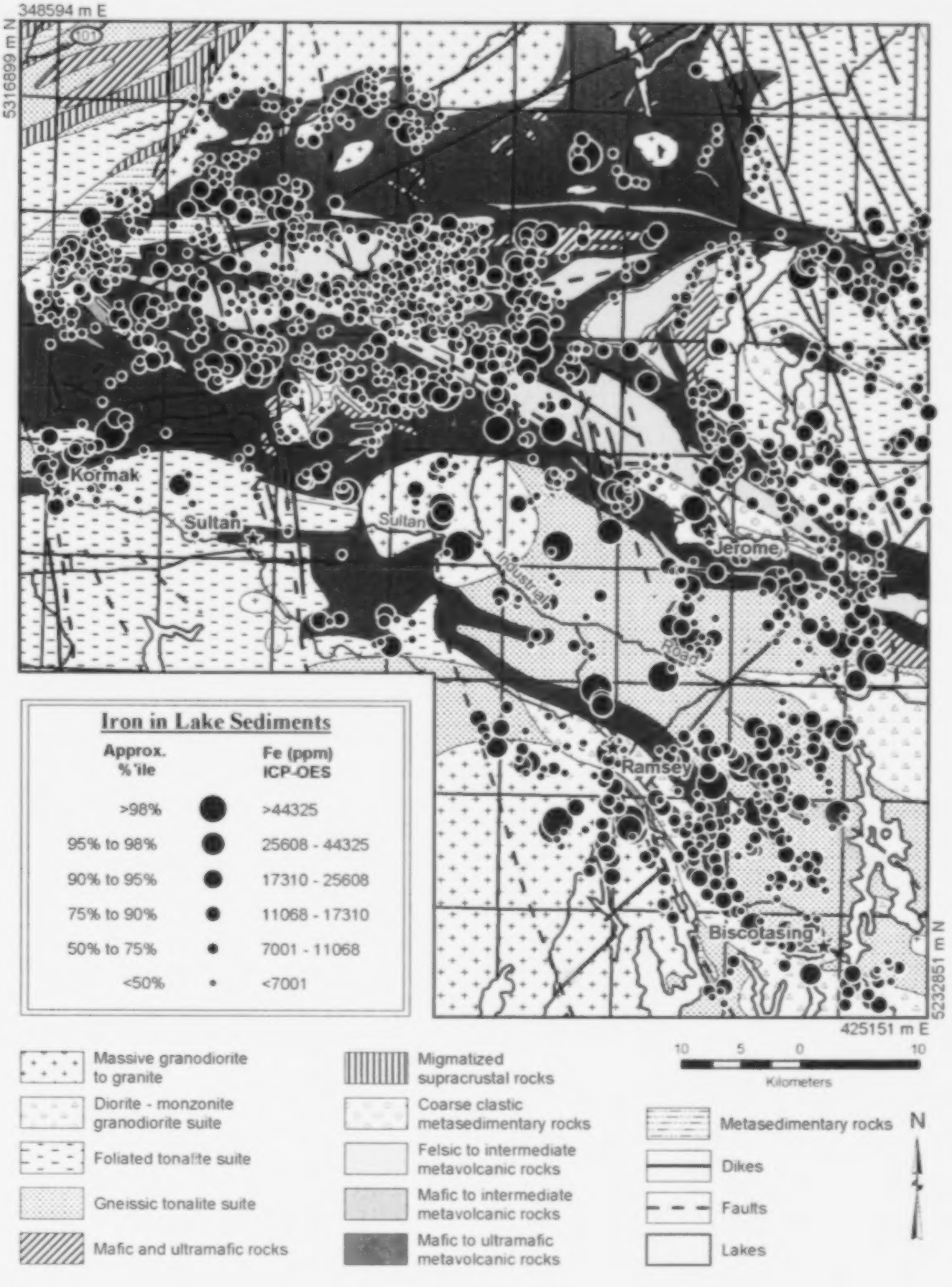
Faults
Lakes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5316899 m N
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Industrial
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Biscotasing
5232851 m N
425151 m E
Iron in Lake Sediments
Approx. %'ile
Fe (ppm) ICP-OES
>98% >44325
95% to 98% 25608 - 44325
90% to 95% 17310 - 25608
75% to 90% 11068 - 17310
50% to 75% 7001 - 11068
<50% <7001
10 5 0 10
Kilometers
Massive granodiorite to granite
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Metasedimentary rocks
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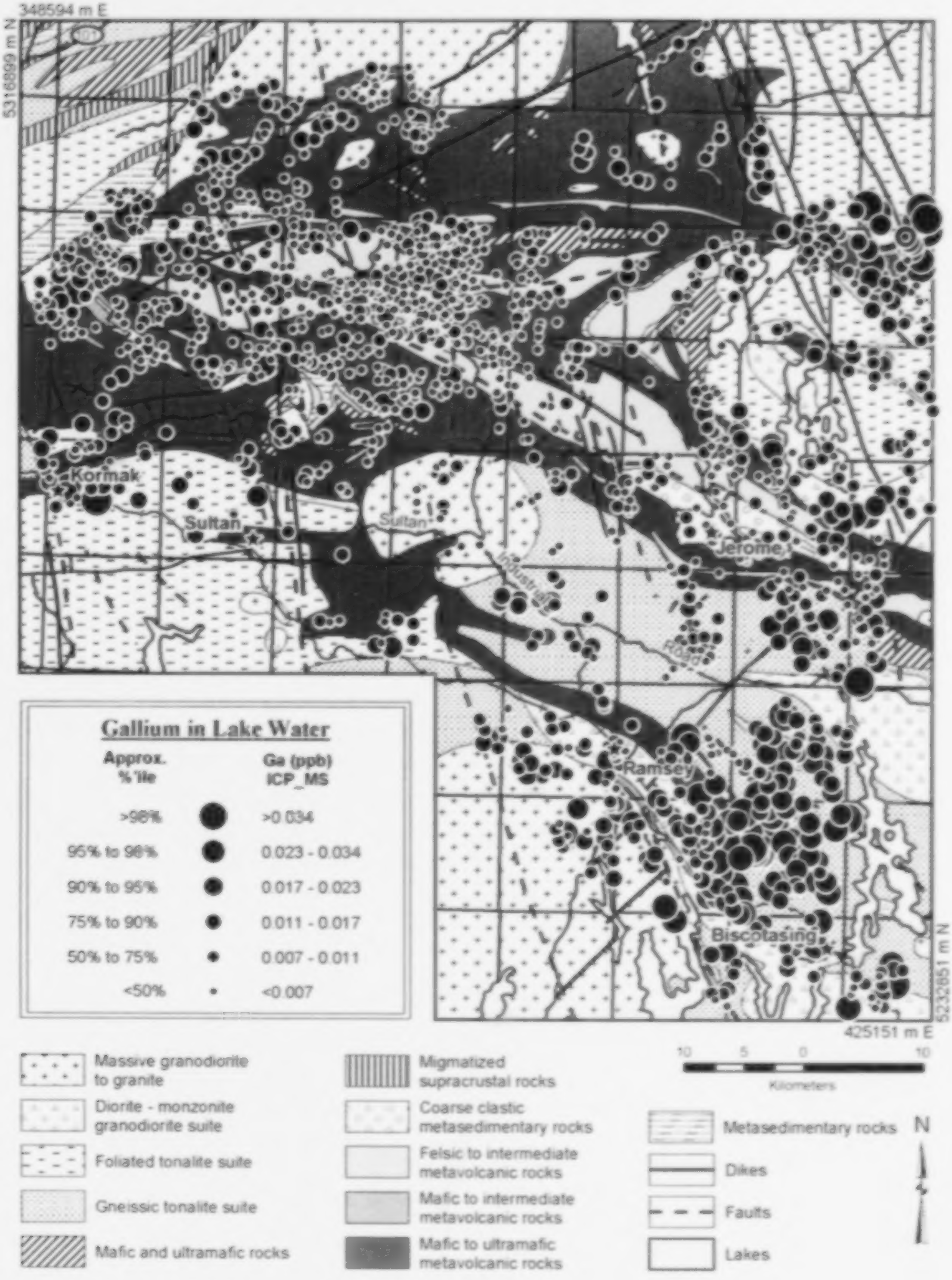
Faults
Lakes
N


348594 m E
5316899 m N
Kormak
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Industrial
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Ramsey
Biscotasing
5232651 m N
425151 m E
Gallium in Lake Water
Approx. %'ile
Ga (ppb) ICP_MS
>98% >0.034
95% to 98% 0.023 - 0.034
90% to 95% 0.017 - 0.023
75% to 90% 0.011 - 0.017
50% to 75% 0.007 - 0.011
<50% <0.007
10 5 0 10
Kilometers
N
Massive granodiorite to granite
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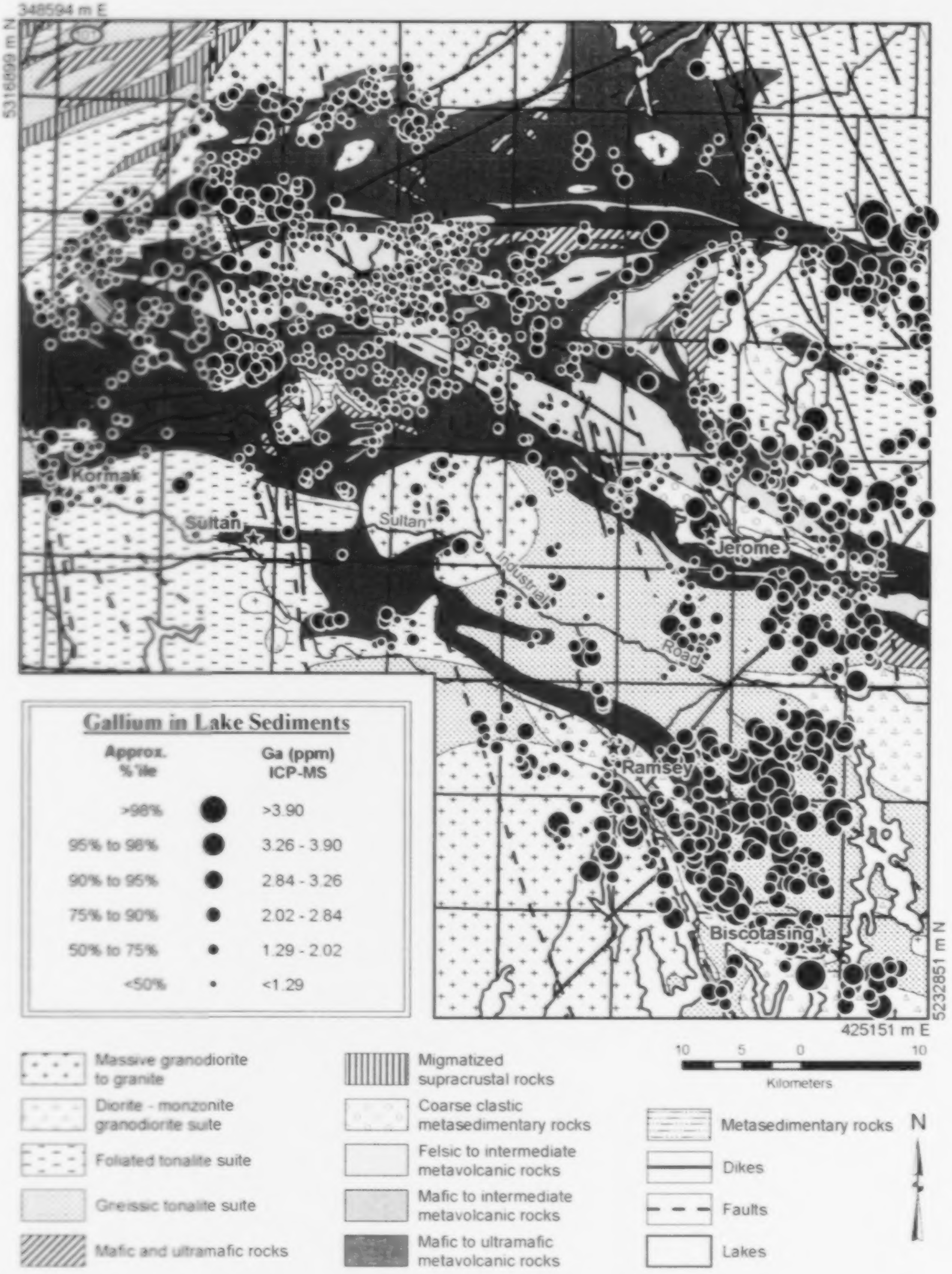
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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5316899 m N
Kormak
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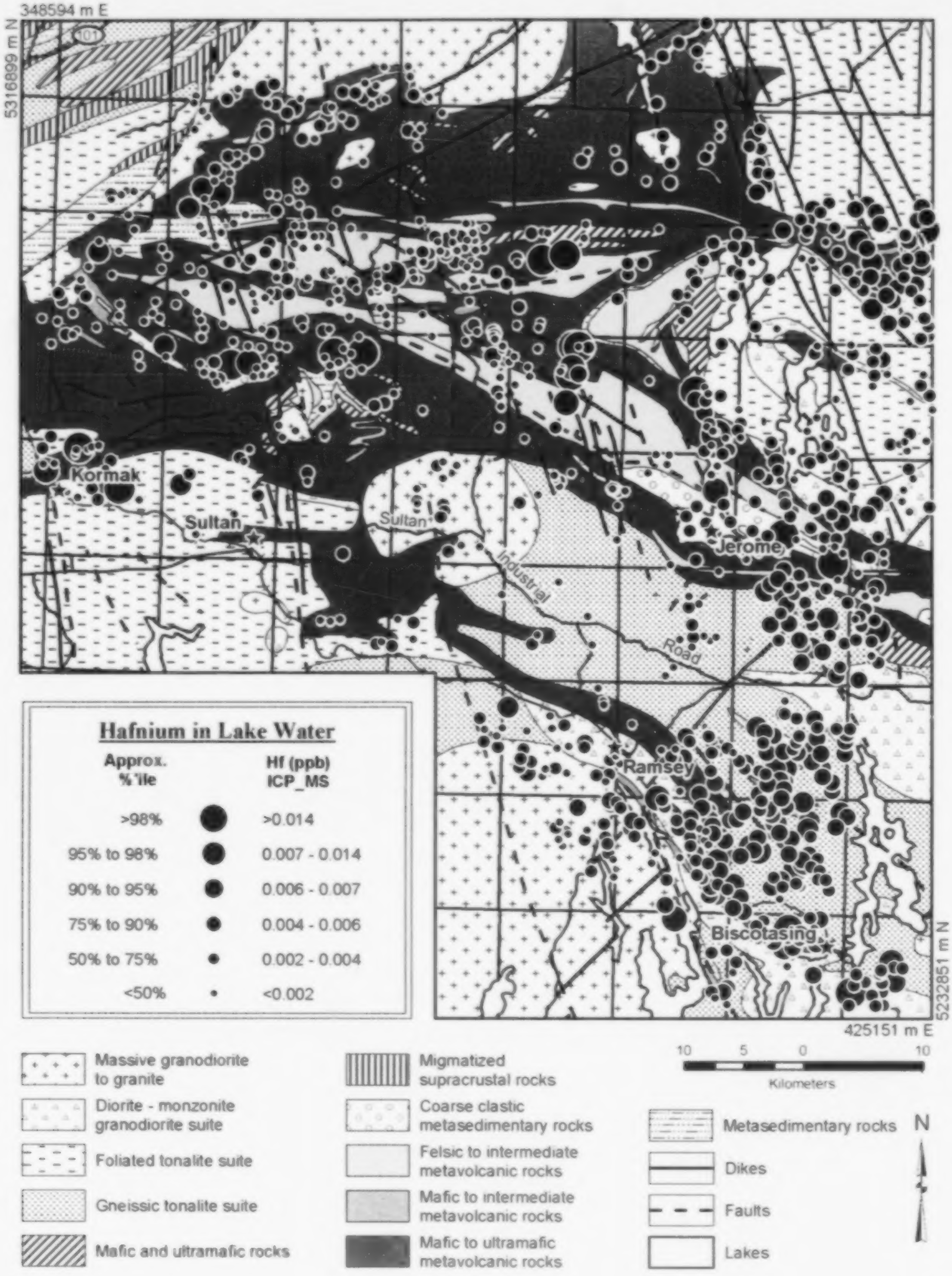
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Gallium in Lake Sediments
Approx. %'ile
Ga (ppm) ICP-MS
>98% >3.90
95% to 98% 3.26 - 3.90
90% to 95% 2.84 - 3.26
75% to 90% 2.02 - 2.84
50% to 75% 1.29 - 2.02
<50% <1.29
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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5316899 m N
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Industrial
Road
Jerome
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Biscotasing
5232851 m N
425151 m E
Hafnium in Lake Water
Approx. %'ile
Hf (ppb) ICP_MS
>98% ● >0.014
95% to 98% ● 0.007 - 0.014
90% to 95% ● 0.006 - 0.007
75% to 90% ● 0.004 - 0.006
50% to 75% • 0.002 - 0.004
<50% • <0.002
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
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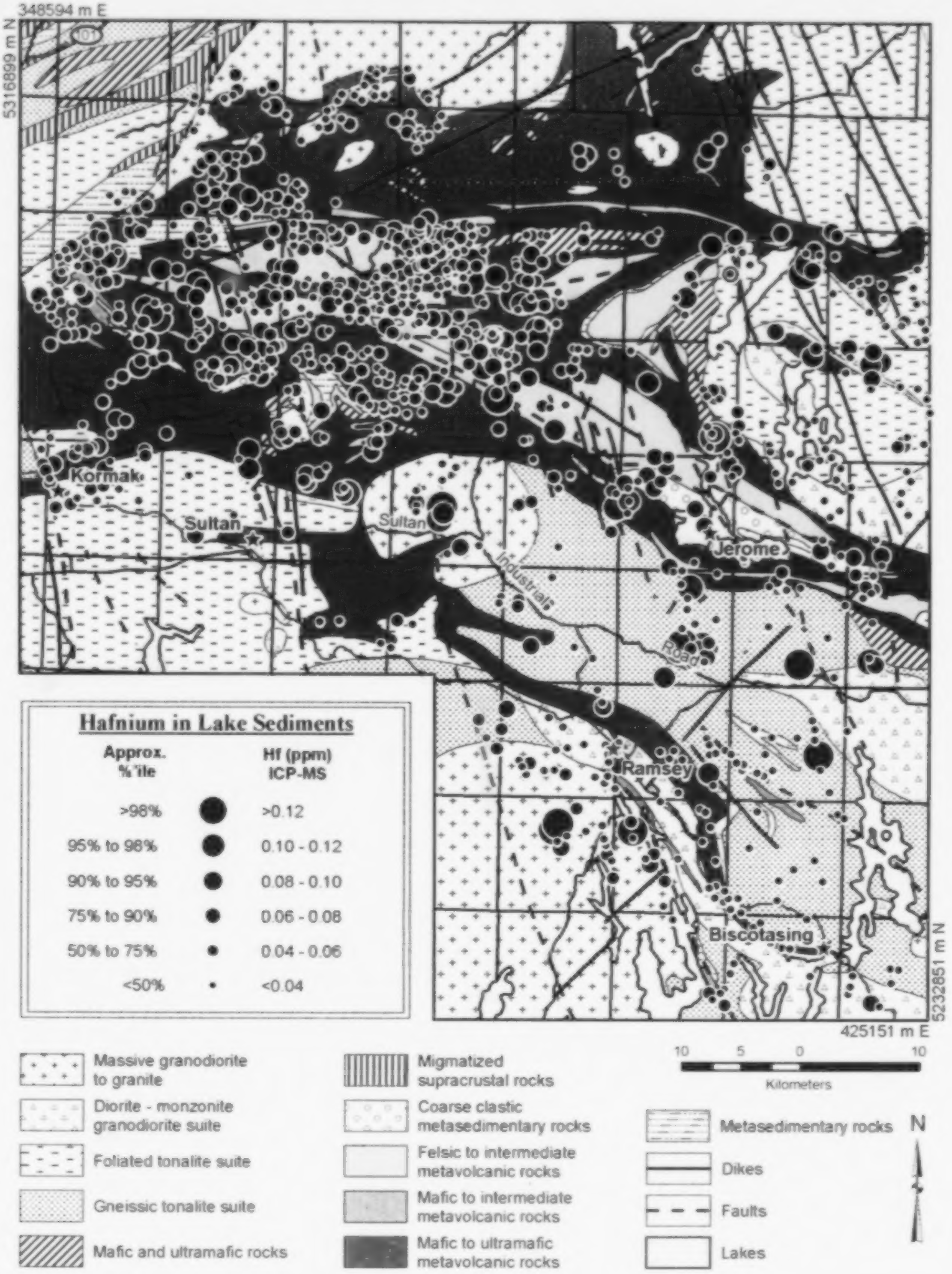
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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Industrial
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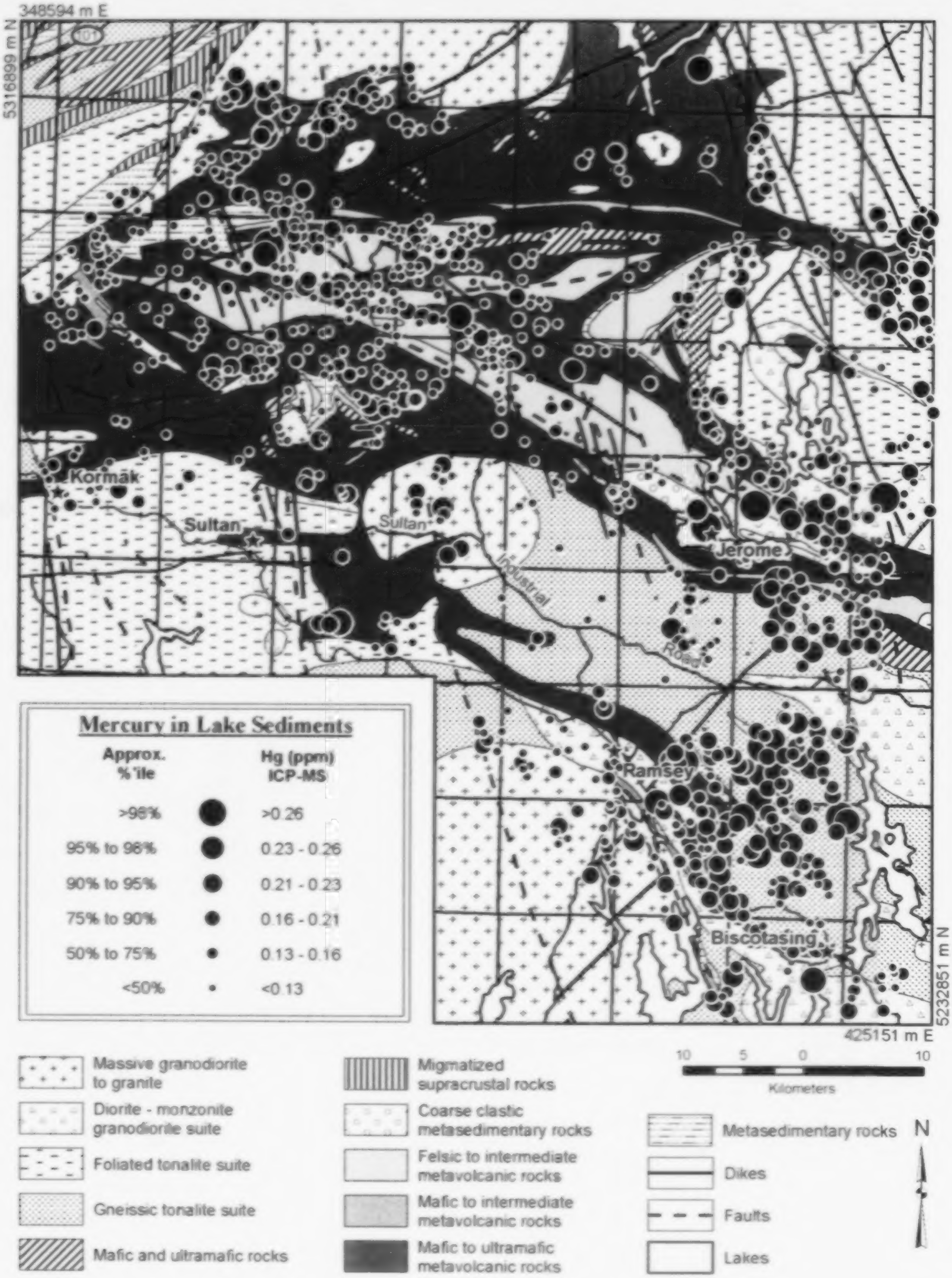
Ramsey
Biscotasing
5232851 m N
425151 m E
Hafnium in Lake Sediments
Approx. %'ile
Hf (ppm) ICP-MS
>98% ● >0.12
95% to 98% ● 0.10 - 0.12
90% to 95% ● 0.08 - 0.10
75% to 90% ● 0.06 - 0.08
50% to 75% • 0.04 - 0.06
<50% • <0.04
10
5
0
10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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5316899 m N
Kormak
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Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Mercury in Lake Sediments
Approx. %'ile
Hg (ppm) ICP-MS
>98% ● >0.26
95% to 98% ● 0.23 - 0.26
90% to 95% ● 0.21 - 0.23
75% to 90% ● 0.16 - 0.21
50% to 75% ● 0.13 - 0.16
<50% • <0.13
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
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Gneissic tonalite suite
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Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
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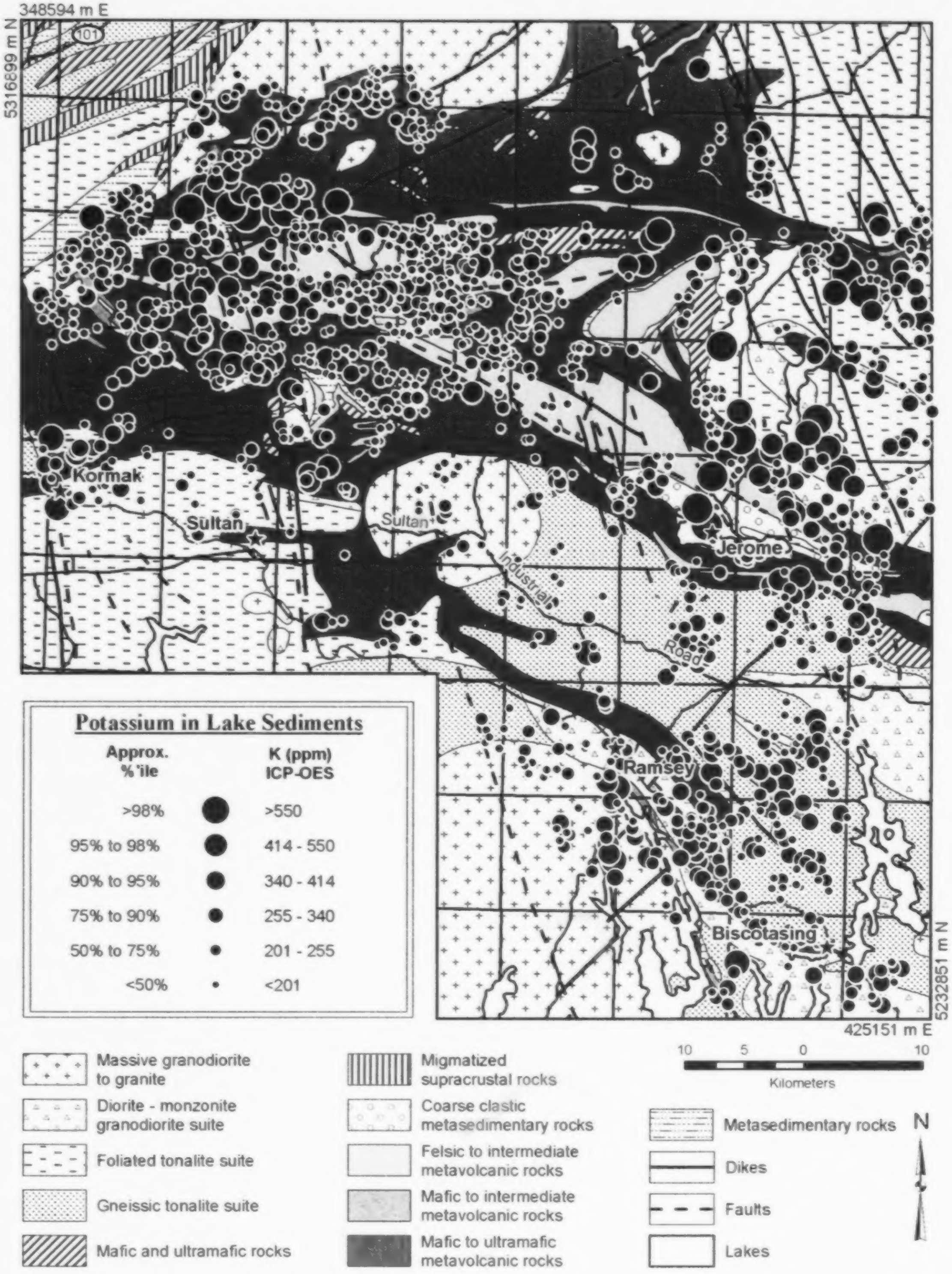
N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5316899 m N
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Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Potassium in Lake Sediments
Approx. %'ile
K (ppm) ICP-OES
>98% ● >550
95% to 98% ● 414 - 550
90% to 95% ● 340 - 414
75% to 90% ● 255 - 340
50% to 75% ● 201 - 255
<50% • <201
10 5 0 10
Kilometers
N
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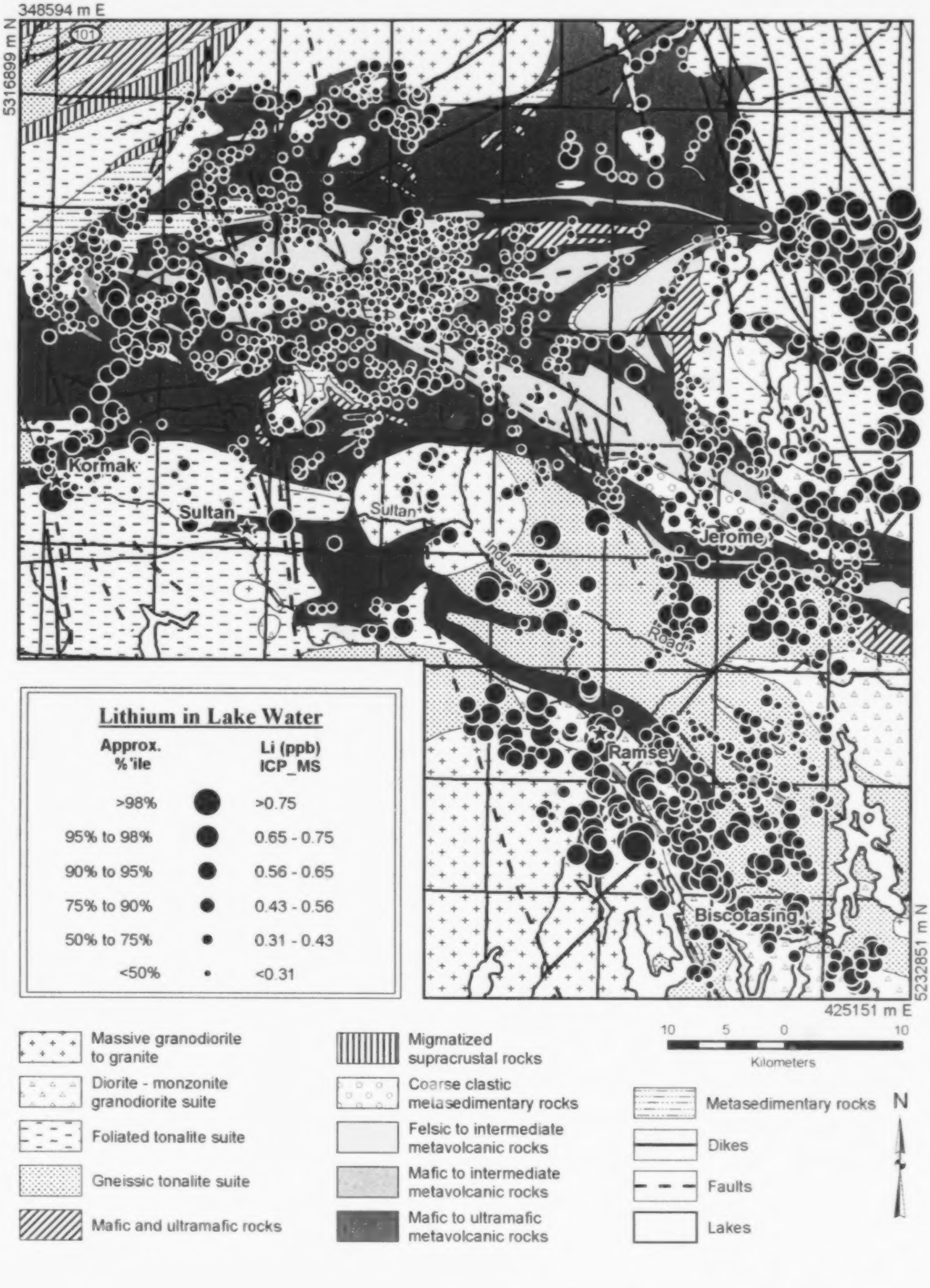348594 m E
5316899 m N
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Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Lithium in Lake Water
Approx. %'ile
Li (ppb) ICP_MS
>98% >0.75
95% to 98% 0.65 - 0.75
90% to 95% 0.56 - 0.65
75% to 90% 0.43 - 0.56
50% to 75% 0.31 - 0.43
<50% <0.31
Massive granodiorite to granite
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10 5 0 10
Kilometers
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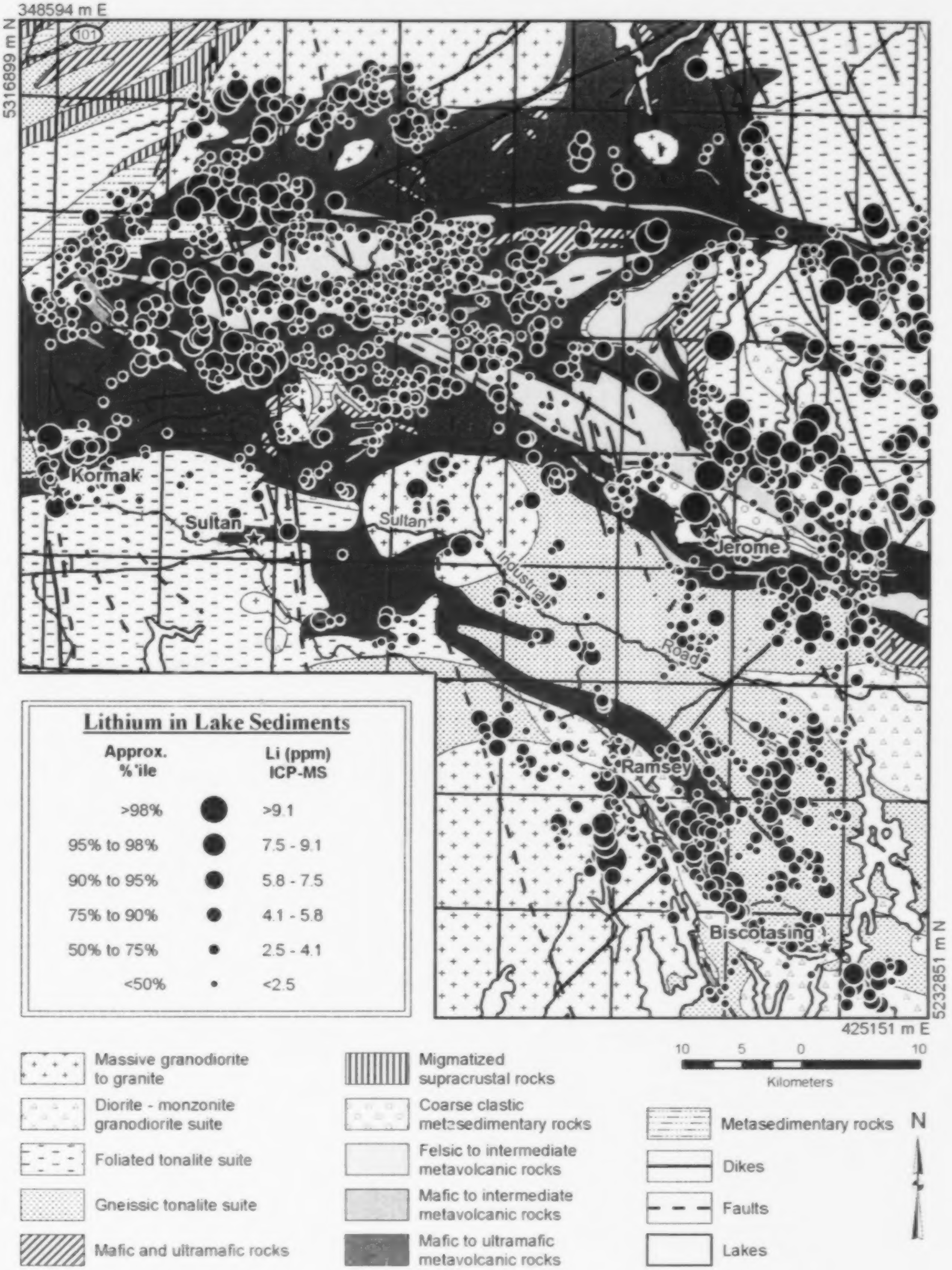
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Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Lithium in Lake Sediments
Approx. %'ile
Li (ppm) ICP-MS
>98% >9.1
95% to 98% 7.5 - 9.1
90% to 95% 5.8 - 7.5
75% to 90% 4.1 - 5.8
50% to 75% 2.5 - 4.1
<50% <2.5
10 5 0 10
Kilometers
N
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Faults
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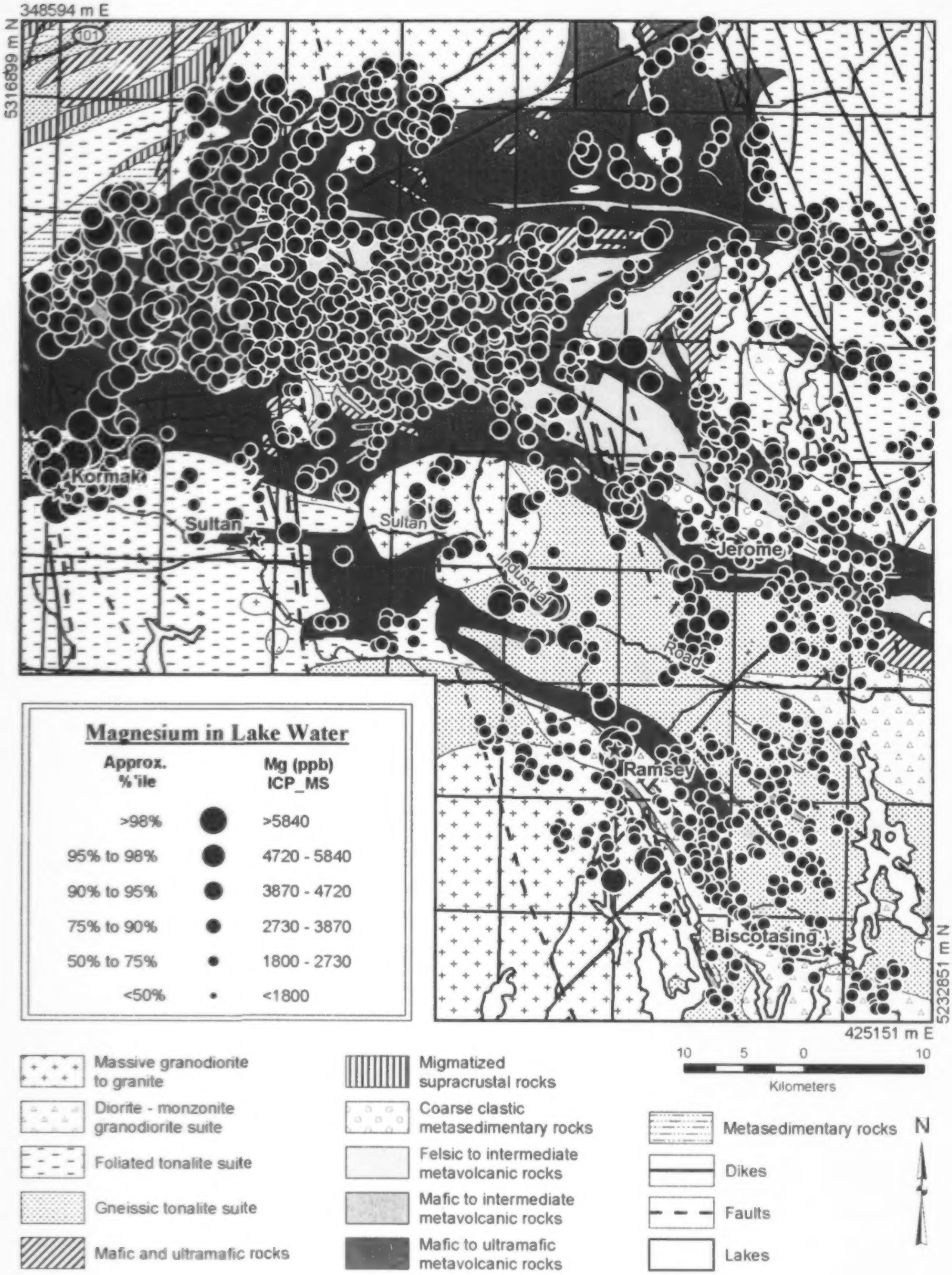
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Industrial
Road
Jerome
Ramsey
Biscotasing
425151 m E
5232851 m N
10
5
0
10
Kilometers
N
Massive granodiorite to granite
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Mafic to ultramafic metavolcanic rocks
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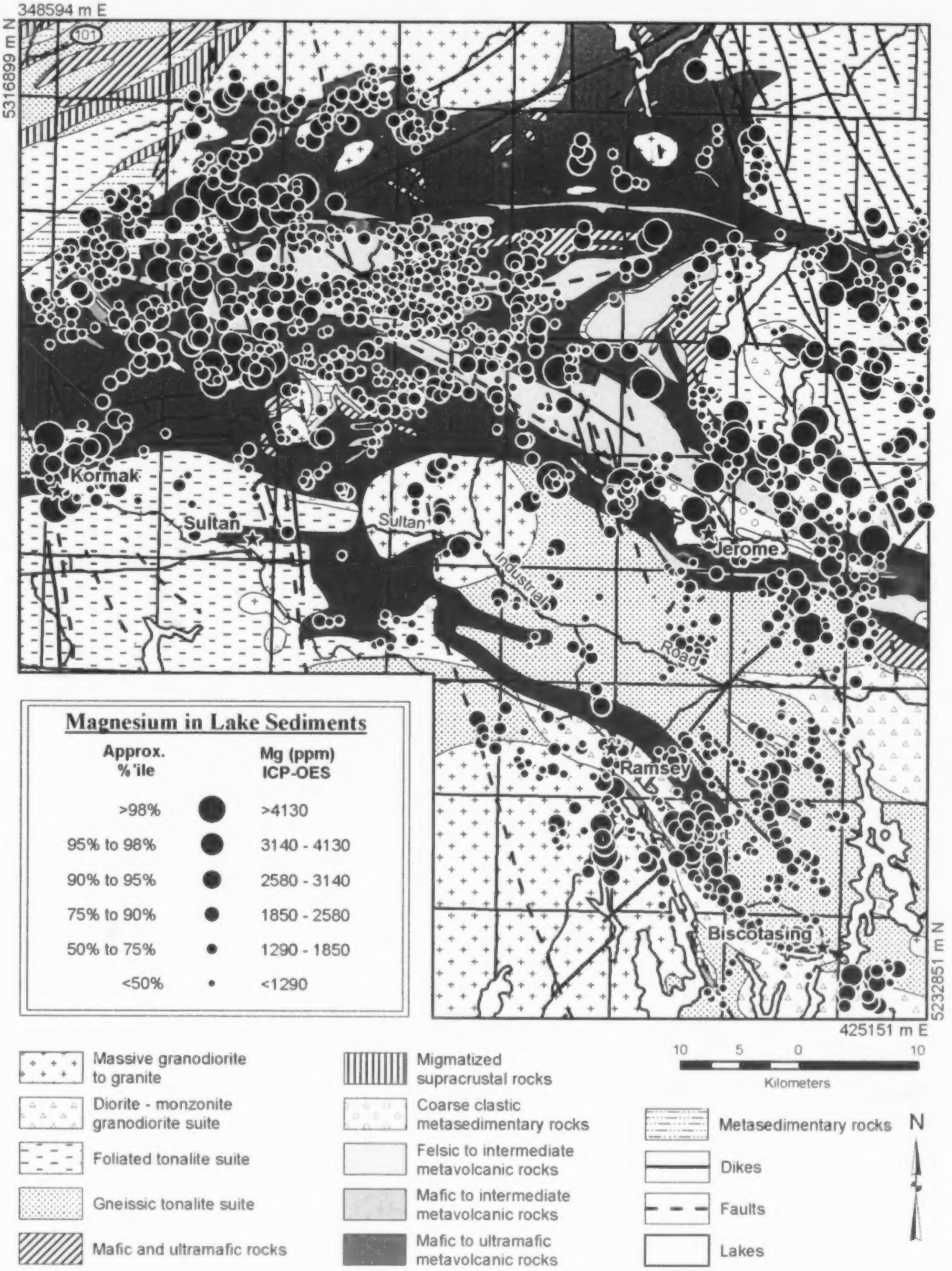
Dikes
Faults
Lakes

**Magnesium in Lake Water**

| Approx. %'ile | | Mg (ppb) ICP_MS |
|---|---|---|
| >98% | ● | >5840 |
| 95% to 98% | ● | 4720 - 5840 |
| 90% to 95% | ● | 3870 - 4720 |
| 75% to 90% | ● | 2730 - 3870 |
| 50% to 75% | • | 1800 - 2730 |
| <50% | · | <1800 |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5316899 m N
101
Kormak
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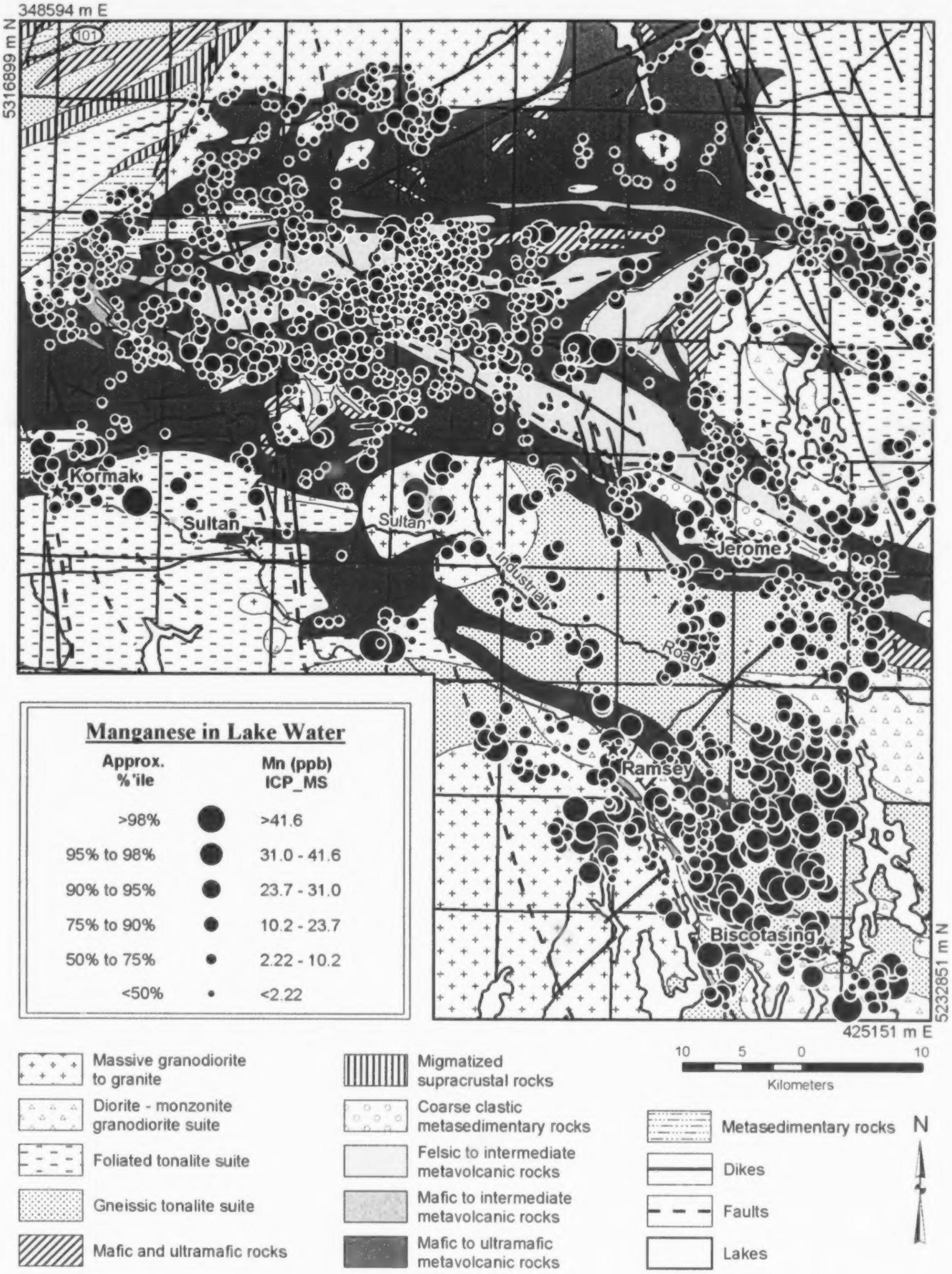
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Magnesium in Lake Sediments
Approx. %'ile
Mg (ppm) ICP-OES
>98% >4130
95% to 98% 3140 - 4130
90% to 95% 2580 - 3140
75% to 90% 1850 - 2580
50% to 75% 1290 - 1850
<50% <1290
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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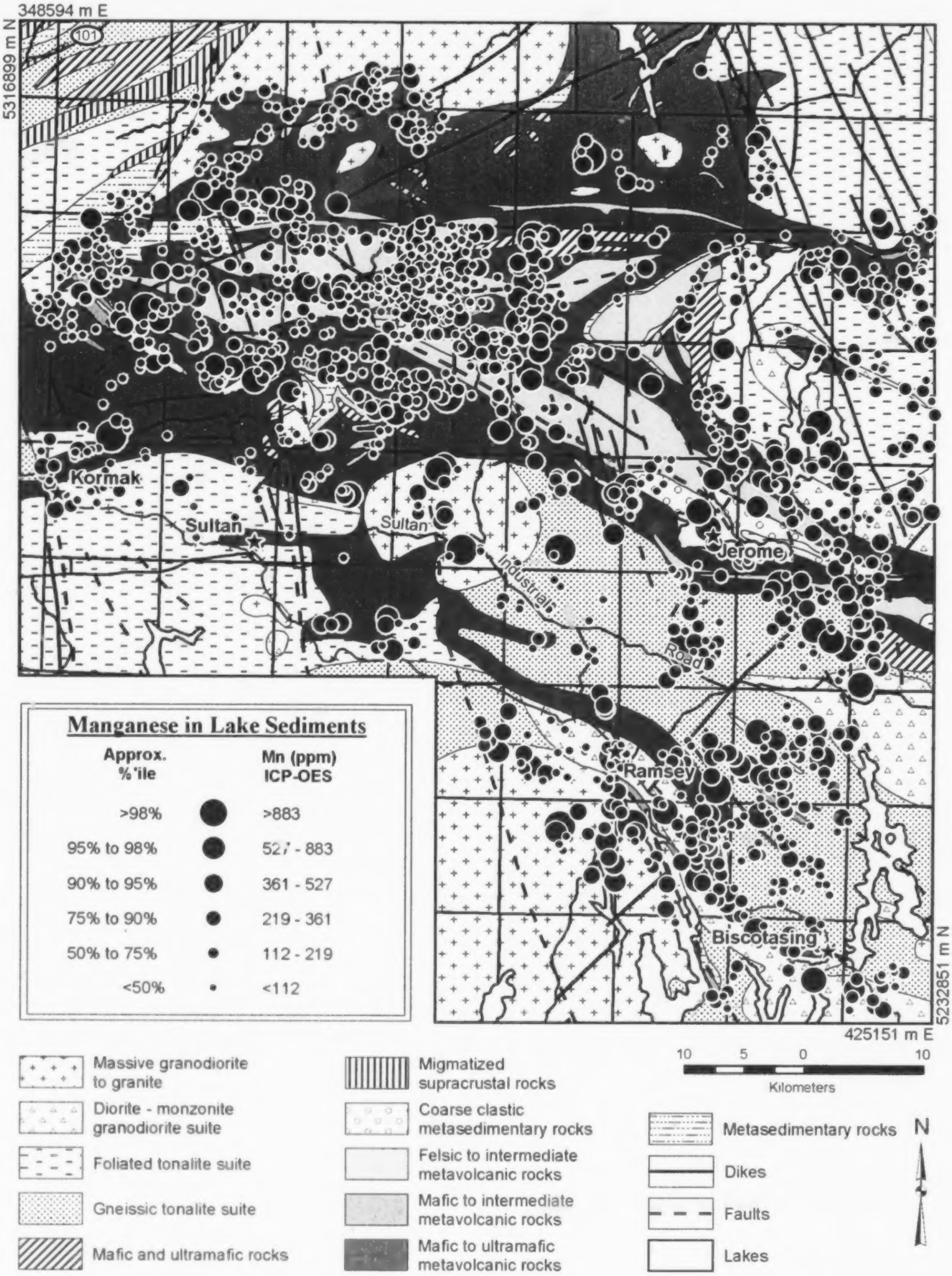
5316899 m N
101
Kormak
Sultan
Sultan
Industrial Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Manganese in Lake Water
Approx. %'ile
Mn (ppb) ICP_MS
>98% >41.6
95% to 98% 31.0 - 41.6
90% to 95% 23.7 - 31.0
75% to 90% 10.2 - 23.7
50% to 75% 2.22 - 10.2
<50% <2.22
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
10 5 0 10
Kilometers
Metasedimentary rocks
Dikes
Faults
Lakes
N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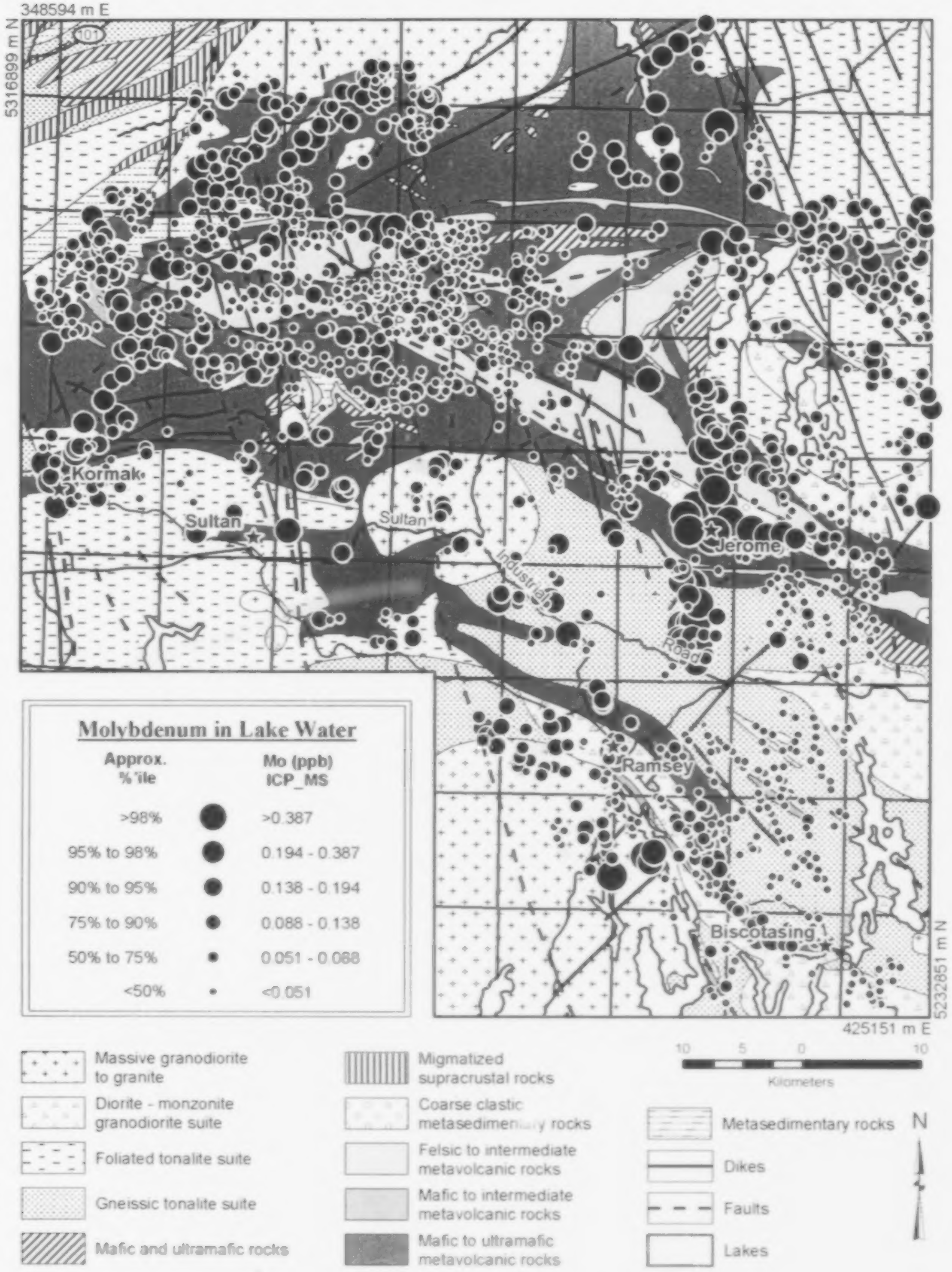
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Manganese in Lake Sediments
Approx. %'ile
Mn (ppm) ICP-OES
>98% >883
95% to 98% 527 - 883
90% to 95% 361 - 527
75% to 90% 219 - 361
50% to 75% 112 - 219
<50% <112
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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5316899 m N
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Kormak
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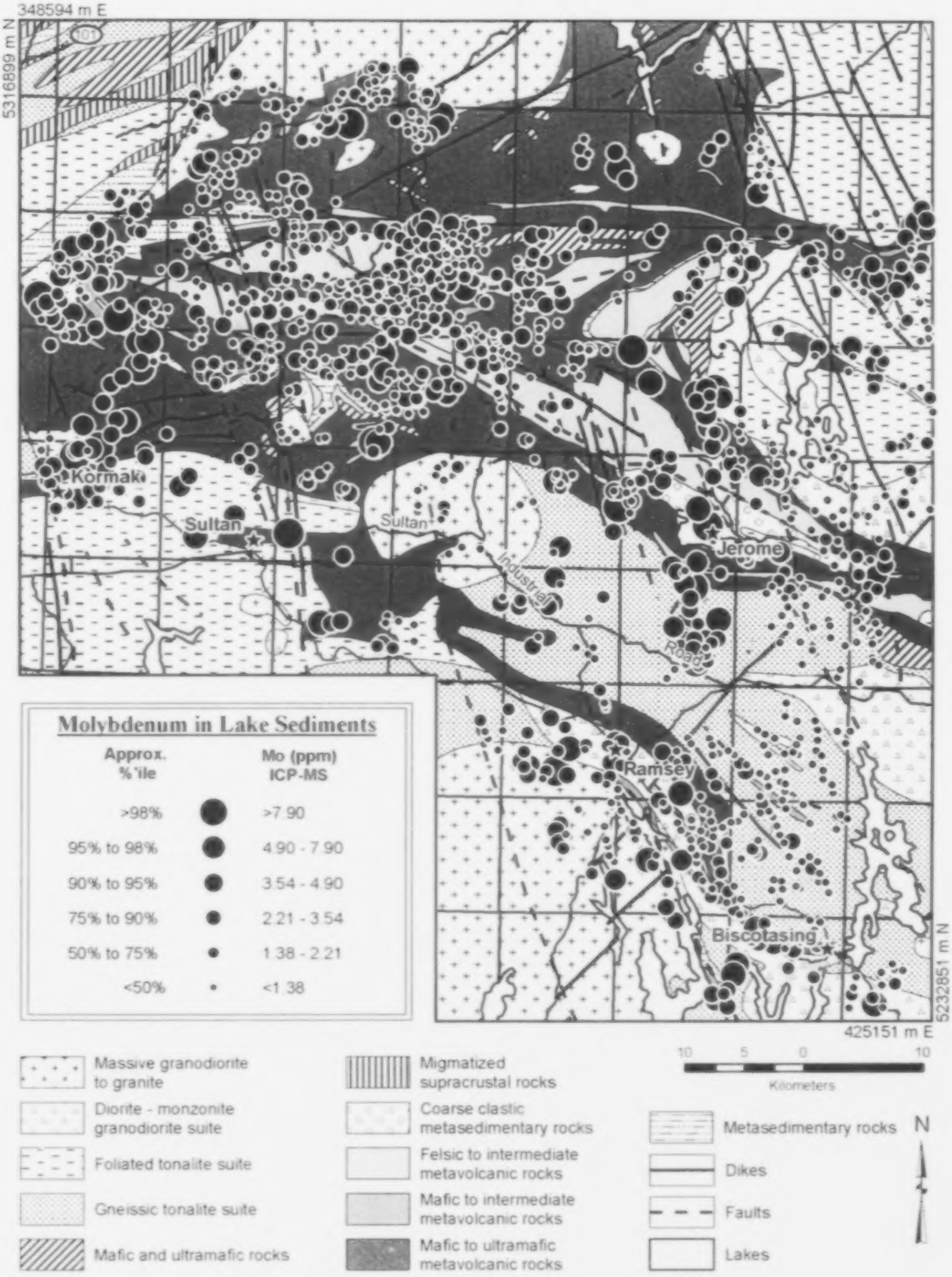
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Molybdenum in Lake Water
Approx. %'ile
Mo (ppb) ICP_MS
>98% ● >0.387
95% to 98% ● 0.194 - 0.387
90% to 95% ● 0.138 - 0.194
75% to 90% ● 0.088 - 0.138
50% to 75% ● 0.051 - 0.088
<50% • <0.051
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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Industrial
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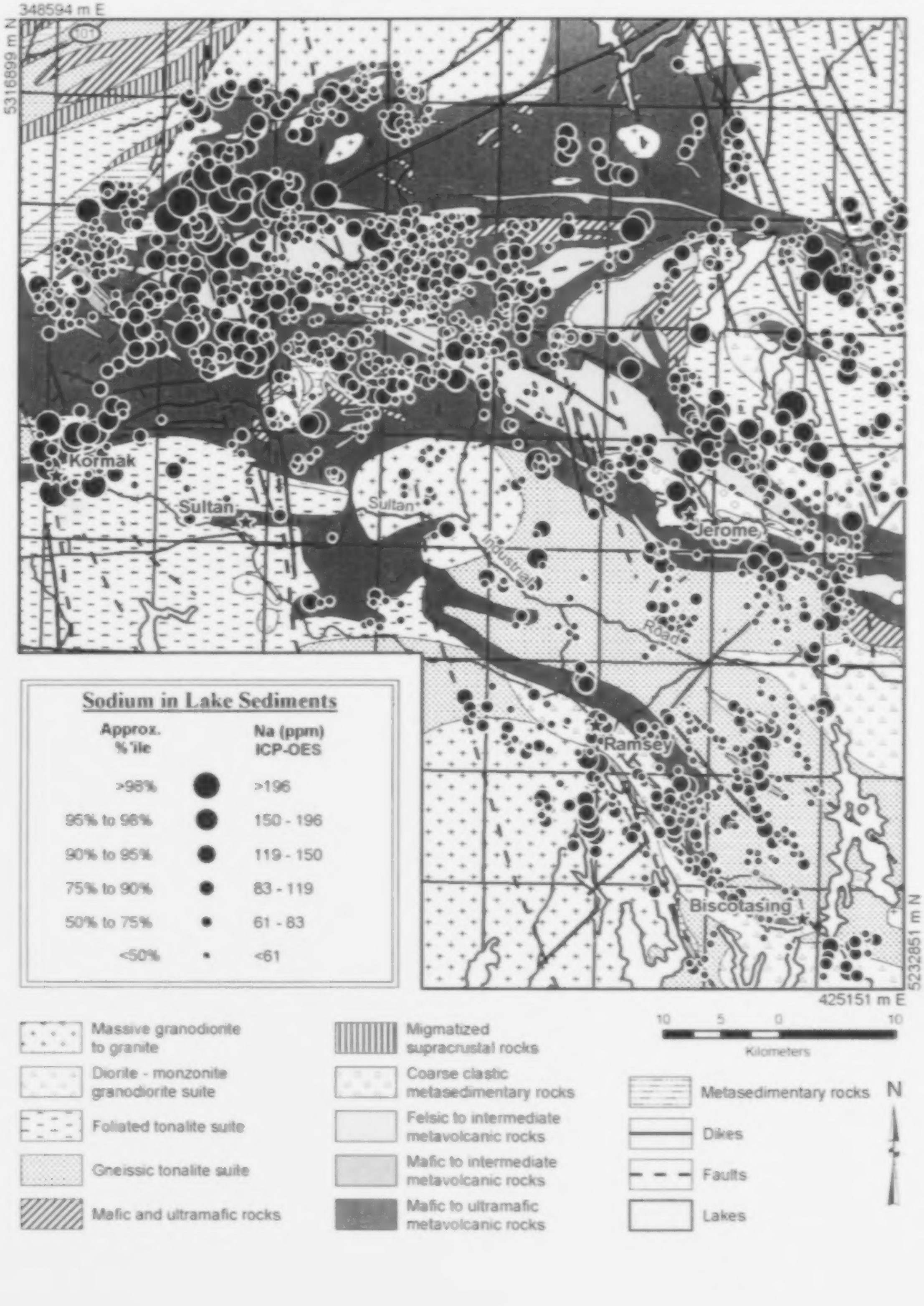
Biscotasing
5232851 m N
425151 m E
Molybdenum in Lake Sediments
Approx. %'ile
Mo (ppm) ICP-MS
>98% >7.90
95% to 98% 4.90 - 7.90
90% to 95% 3.54 - 4.90
75% to 90% 2.21 - 3.54
50% to 75% 1.38 - 2.21
<50% <1.38
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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Kormak
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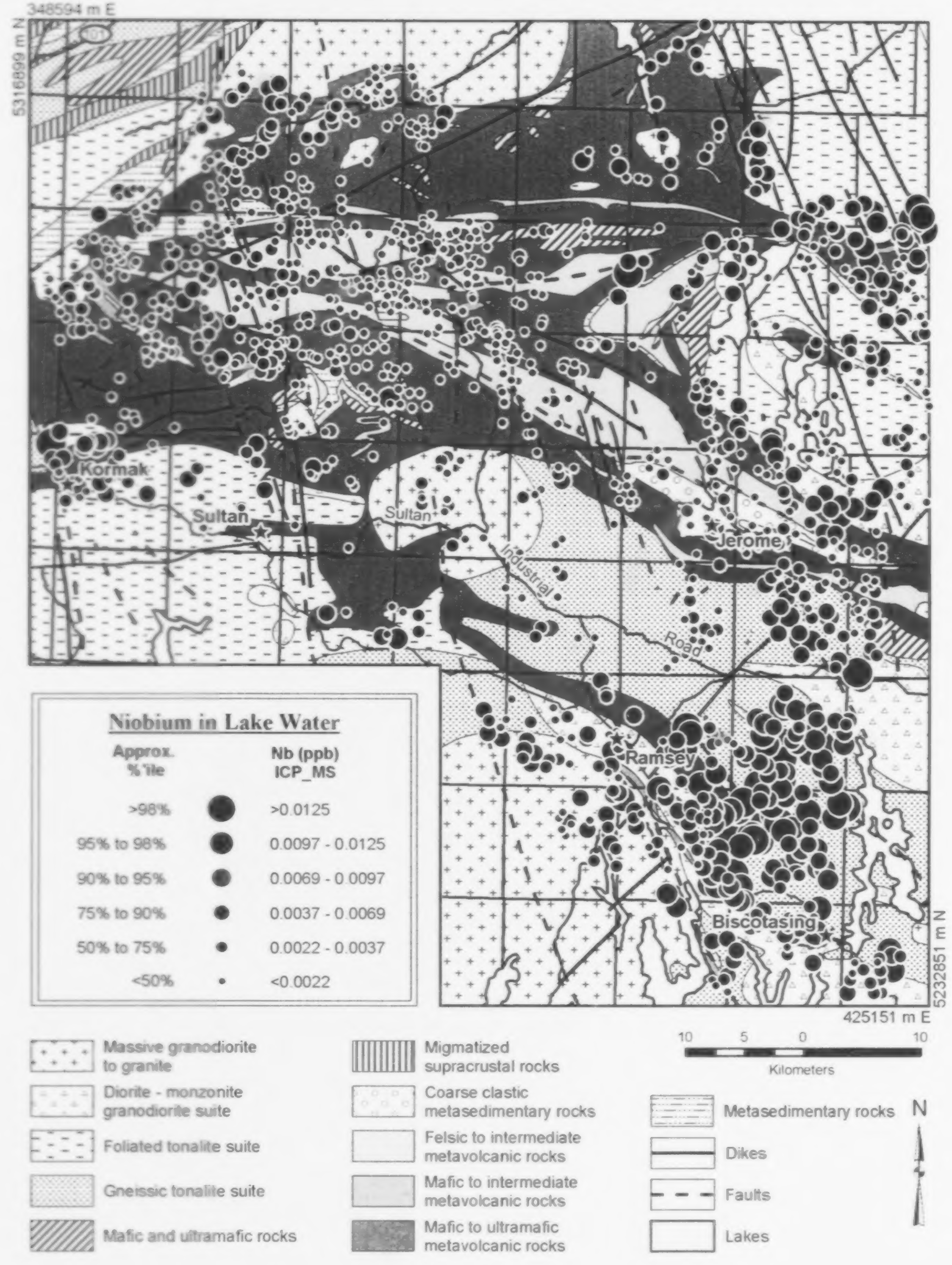
Industrial Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Sodium in Lake Sediments
Approx. %'ile
Na (ppm) ICP-OES
>98% >196
95% to 98% 150 - 196
90% to 95% 119 - 150
75% to 90% 83 - 119
50% to 75% 61 - 83
<50% <61
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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5316899 m N
5232851 m N
425151 m E
Kormak
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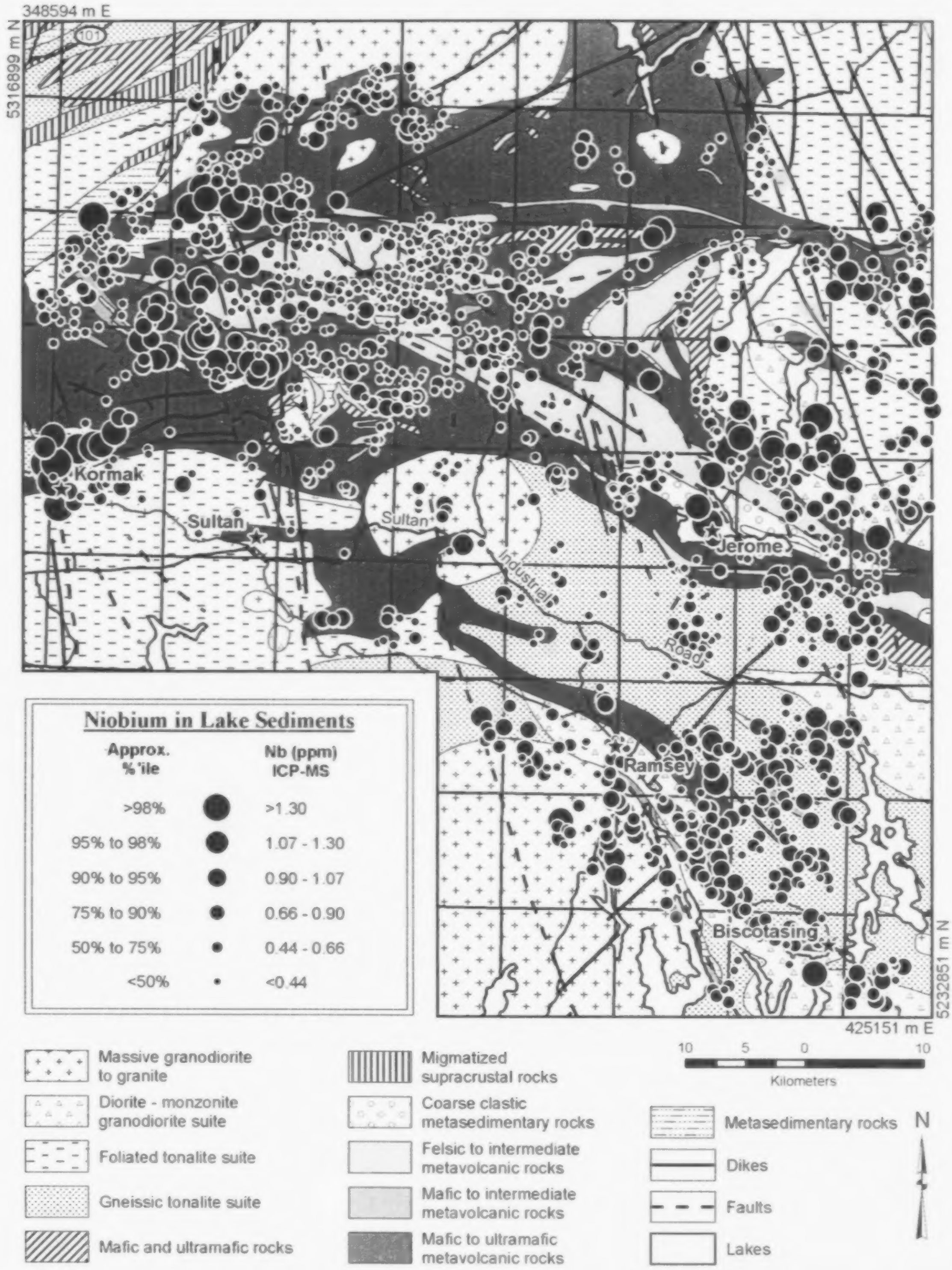
Industrial
Road
Jerome
Ramsey
Biscotasing
Niobium in Lake Water
Approx. %'ile
Nb (ppb) ICP_MS
>98% ● >0.0125
95% to 98% ● 0.0097 - 0.0125
90% to 95% ● 0.0069 - 0.0097
75% to 90% ● 0.0037 - 0.0069
50% to 75% ● 0.0022 - 0.0037
<50% • <0.0022
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
10 5 0 10
Kilometers
Metasedimentary rocks
Dikes
Faults
Lakes
N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Industrial
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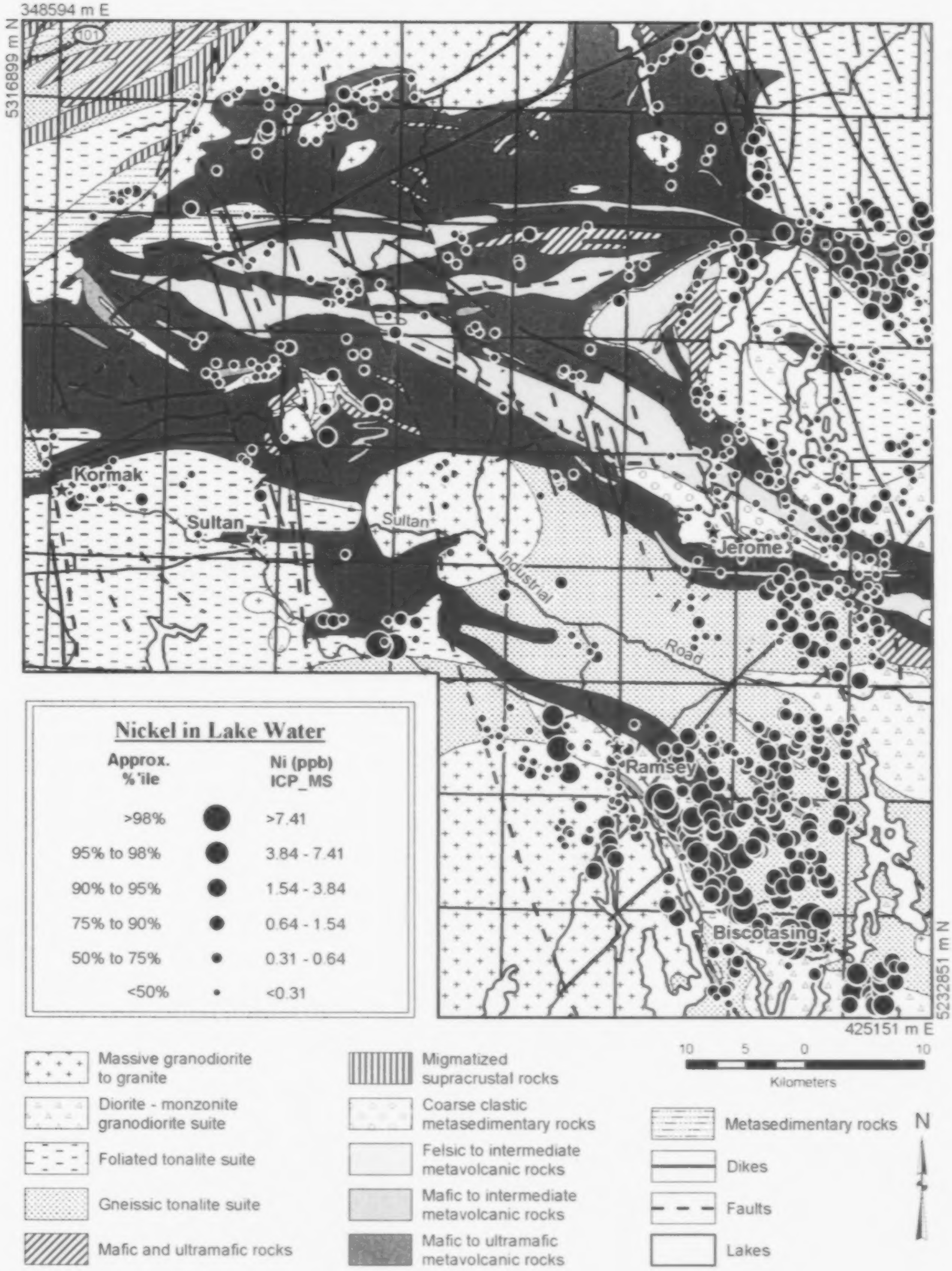
Biscotasing
5232851 m N
425151 m E
Niobium in Lake Sediments
Approx. %'ile
Nb (ppm) ICP-MS
>98% ● >1.30
95% to 98% ● 1.07 - 1.30
90% to 95% ● 0.90 - 1.07
75% to 90% ● 0.66 - 0.90
50% to 75% ● 0.44 - 0.66
<50% • <0.44
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Nickel in Lake Water
Approx. %'ile
Ni (ppb) ICP_MS
>98% >7.41
95% to 98% 3.84 - 7.41
90% to 95% 1.54 - 3.84
75% to 90% 0.64 - 1.54
50% to 75% 0.31 - 0.64
<50% <0.31
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
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Gneissic tonalite suite
Mafic and ultramafic rocks
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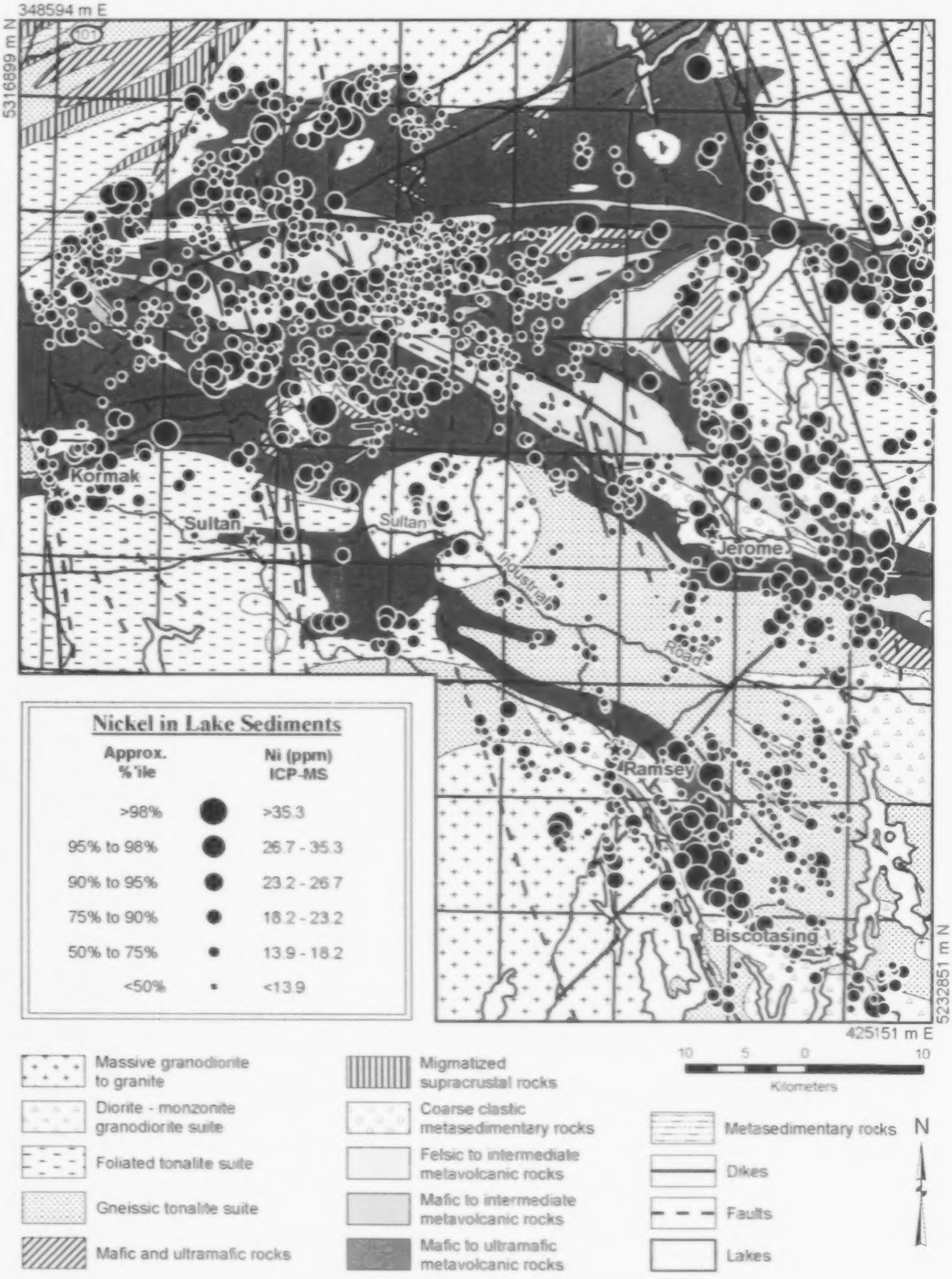
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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Industrial Road
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Biscotasing
5232851 m N
425151 m E
Nickel in Lake Sediments
Approx. %'ile
Ni (ppm) ICP-MS
>98% >35.3
95% to 98% 26.7 - 35.3
90% to 95% 23.2 - 26.7
75% to 90% 18.2 - 23.2
50% to 75% 13.9 - 18.2
<50% <13.9
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
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Coarse clastic metasedimentary rocks
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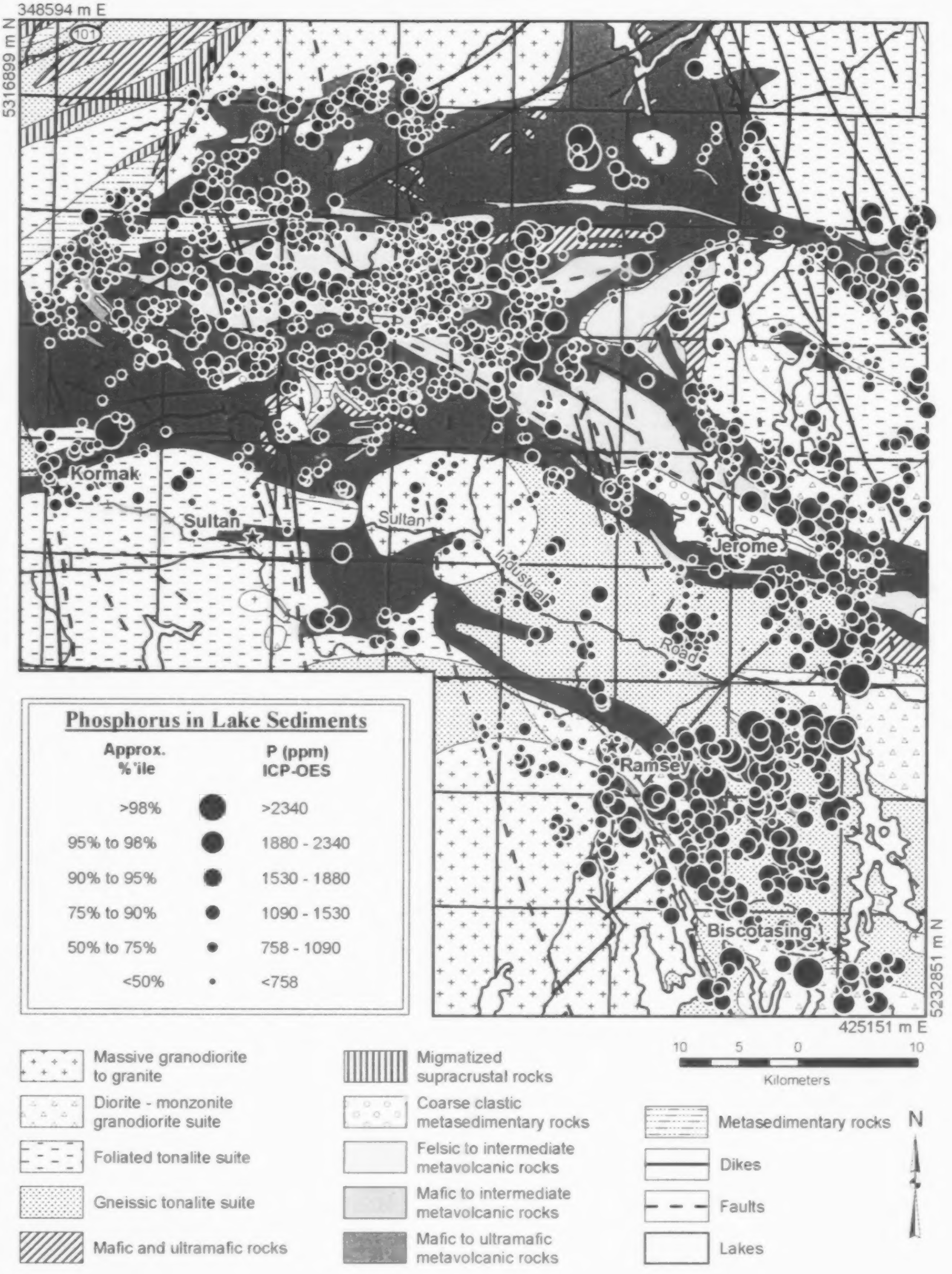
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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5316899 m N
101
Kormak
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Industrial
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Jerome
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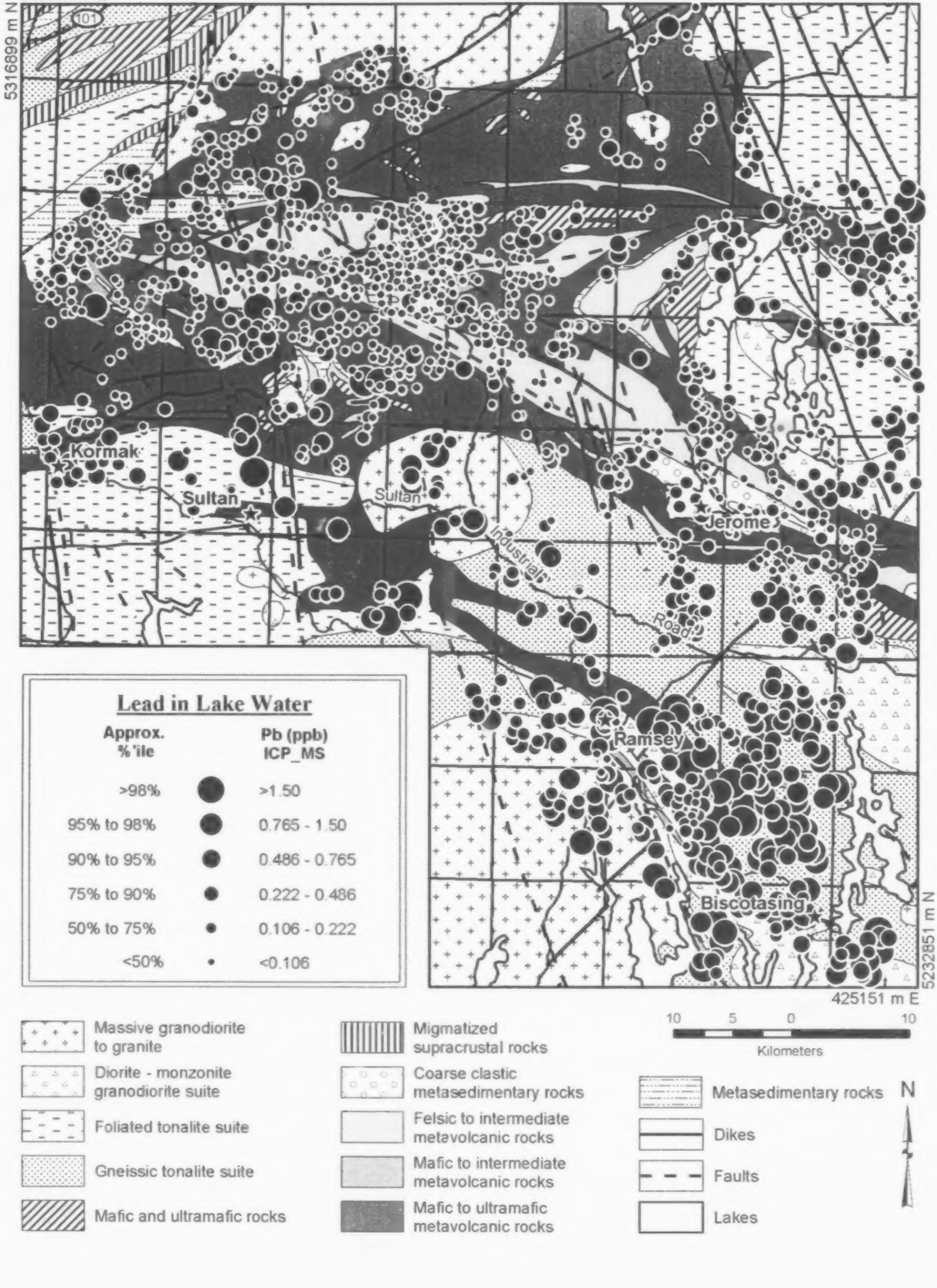
Biscotasing
5232851 m N
425151 m E
Phosphorus in Lake Sediments
Approx. %'ile
P (ppm) ICP-OES
>98% ● >2340
95% to 98% ● 1880 - 2340
90% to 95% ● 1530 - 1880
75% to 90% ● 1090 - 1530
50% to 75% ● 758 - 1090
<50% • <758
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
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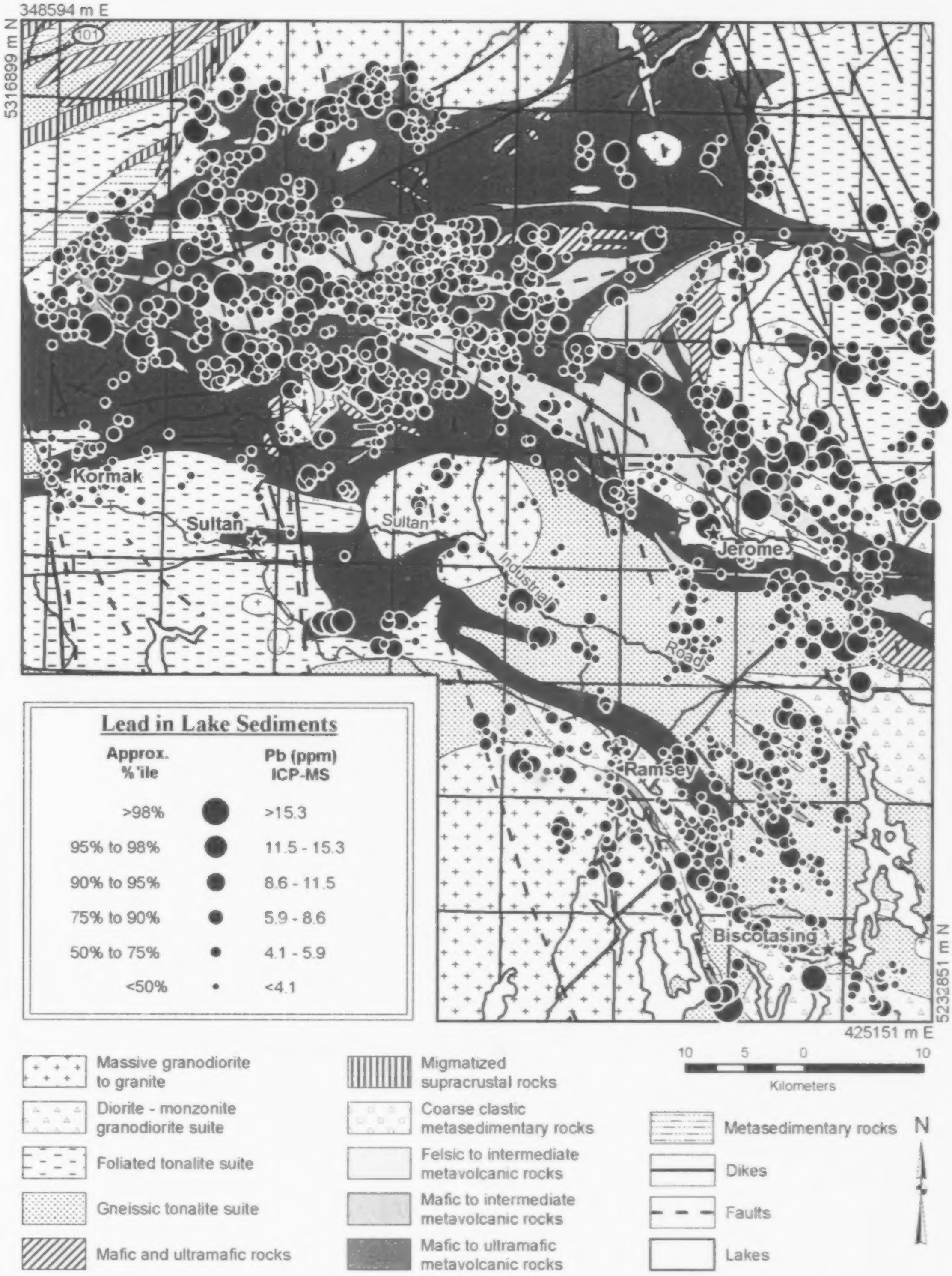
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Lead in Lake Water
Approx. %'ile
Pb (ppb) ICP_MS
>98% ● >1.50
95% to 98% ● 0.765 - 1.50
90% to 95% ● 0.486 - 0.765
75% to 90% ● 0.222 - 0.486
50% to 75% • 0.106 - 0.222
<50% • <0.106
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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Kormak
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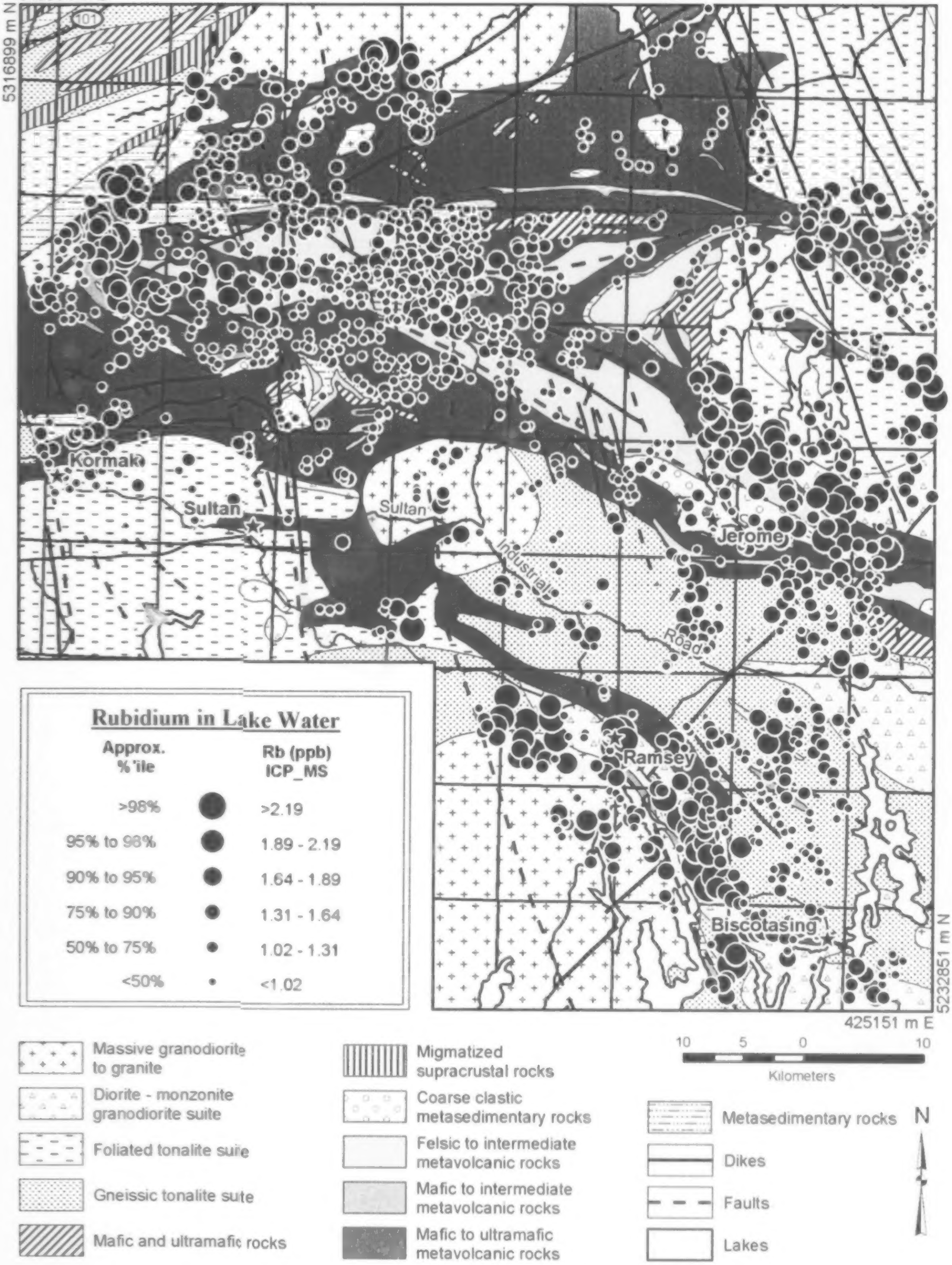
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Lead in Lake Sediments
Approx. %'ile
Pb (ppm) ICP-MS
>98%
>15.3
95% to 98%
11.5 - 15.3
90% to 95%
8.6 - 11.5
75% to 90%
5.9 - 8.6
50% to 75%
4.1 - 5.9
<50%
<4.1
10
5
0
10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes



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5316899 m N
101
Kormak
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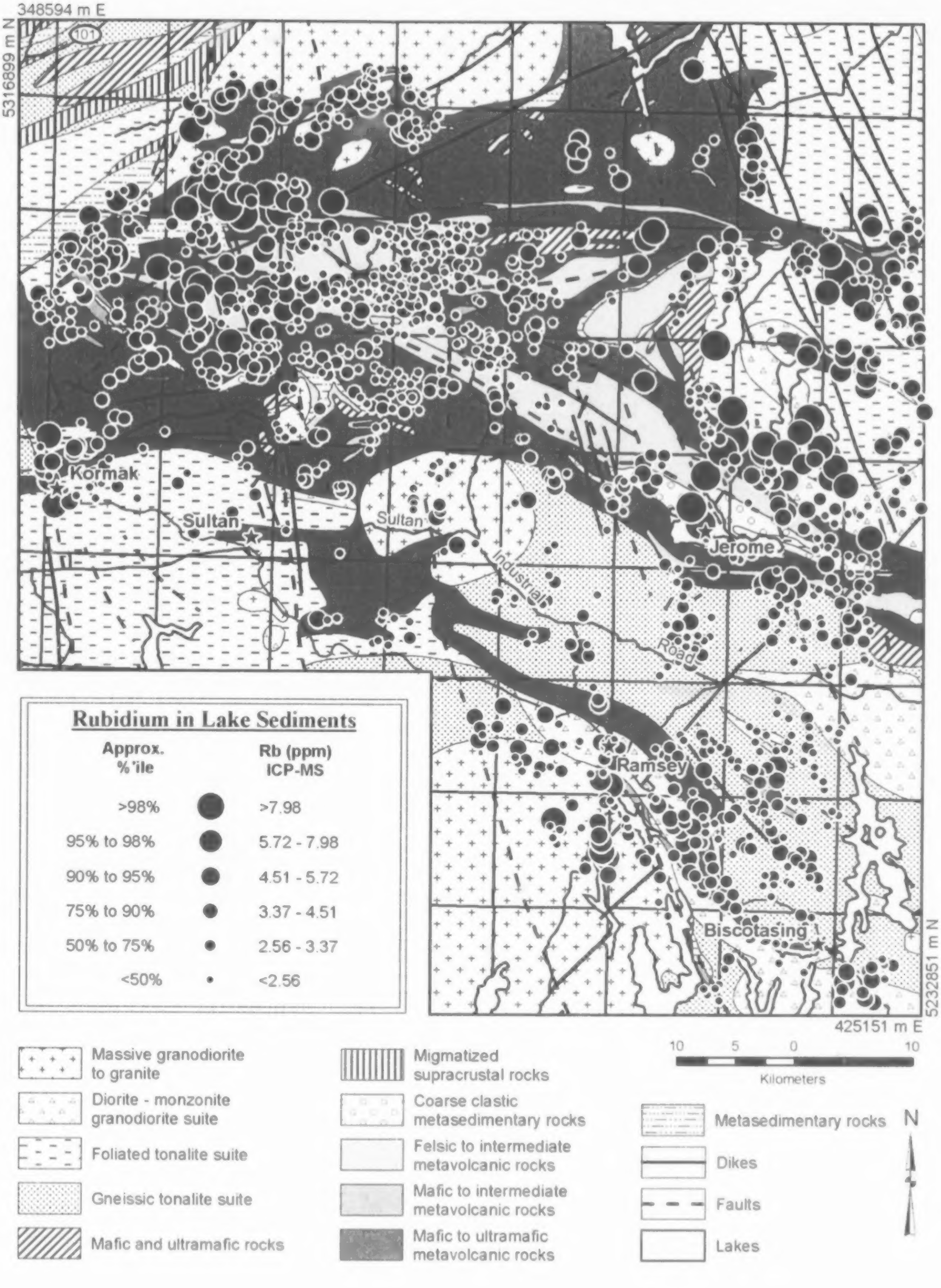
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Rubidium in Lake Water
Approx. %'ile
Rb (ppb) ICP_MS
>98% >2.19
95% to 98% 1.89 - 2.19
90% to 95% 1.64 - 1.89
75% to 90% 1.31 - 1.64
50% to 75% 1.02 - 1.31
<50% <1.02
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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Kormak
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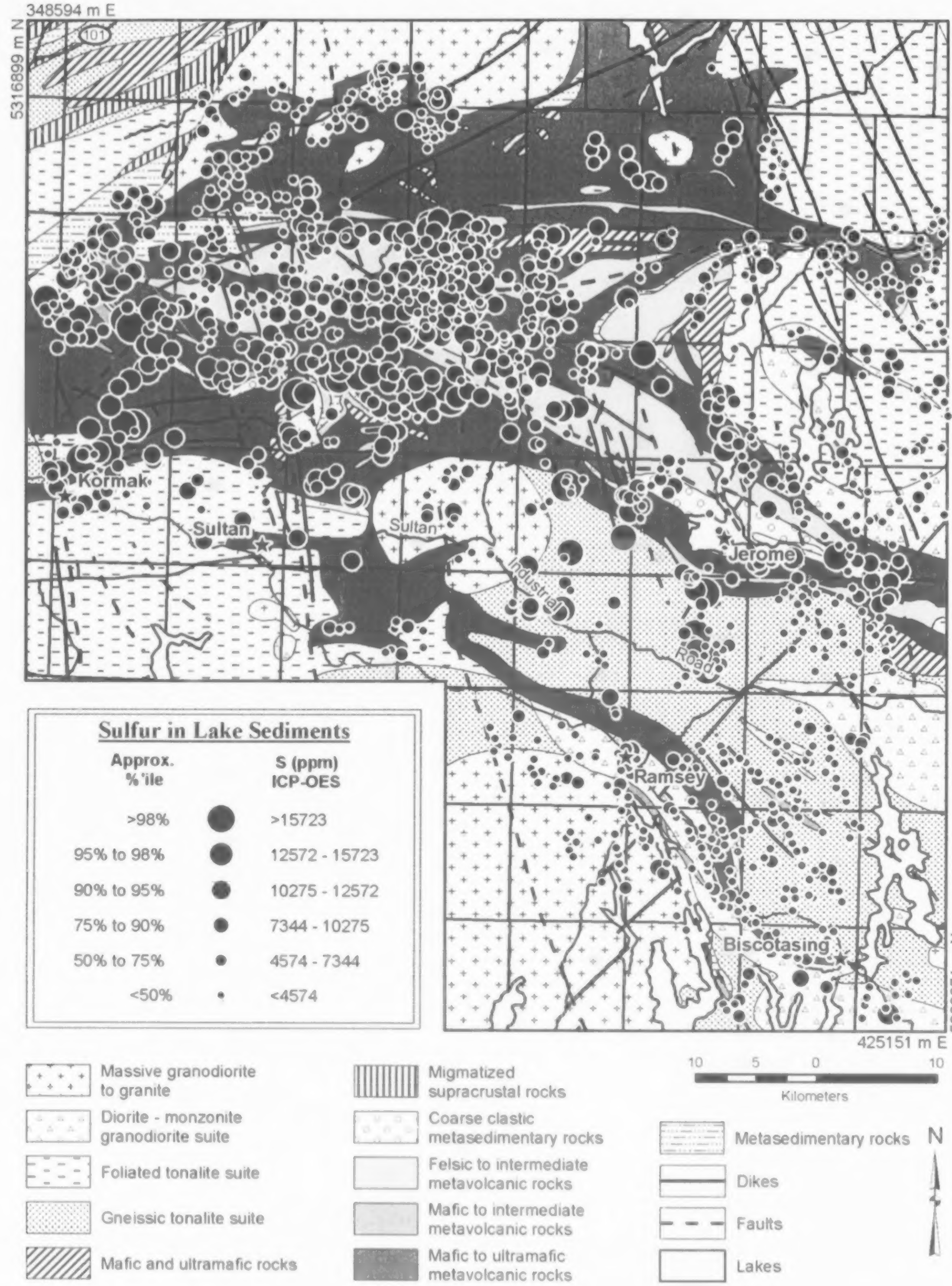
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Rubidium in Lake Sediments
Approx. %'ile
Rb (ppm) ICP-MS
>98% >7.98
95% to 98% 5.72 - 7.98
90% to 95% 4.51 - 5.72
75% to 90% 3.37 - 4.51
50% to 75% 2.56 - 3.37
<50% <2.56
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Sulfur in Lake Sediments
Approx. %'ile
S (ppm) ICP-OES
>98%
>15723
95% to 98%
12572 - 15723
90% to 95%
10275 - 12572
75% to 90%
7344 - 10275
50% to 75%
4574 - 7344
<50%
<4574
10
5
0
10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
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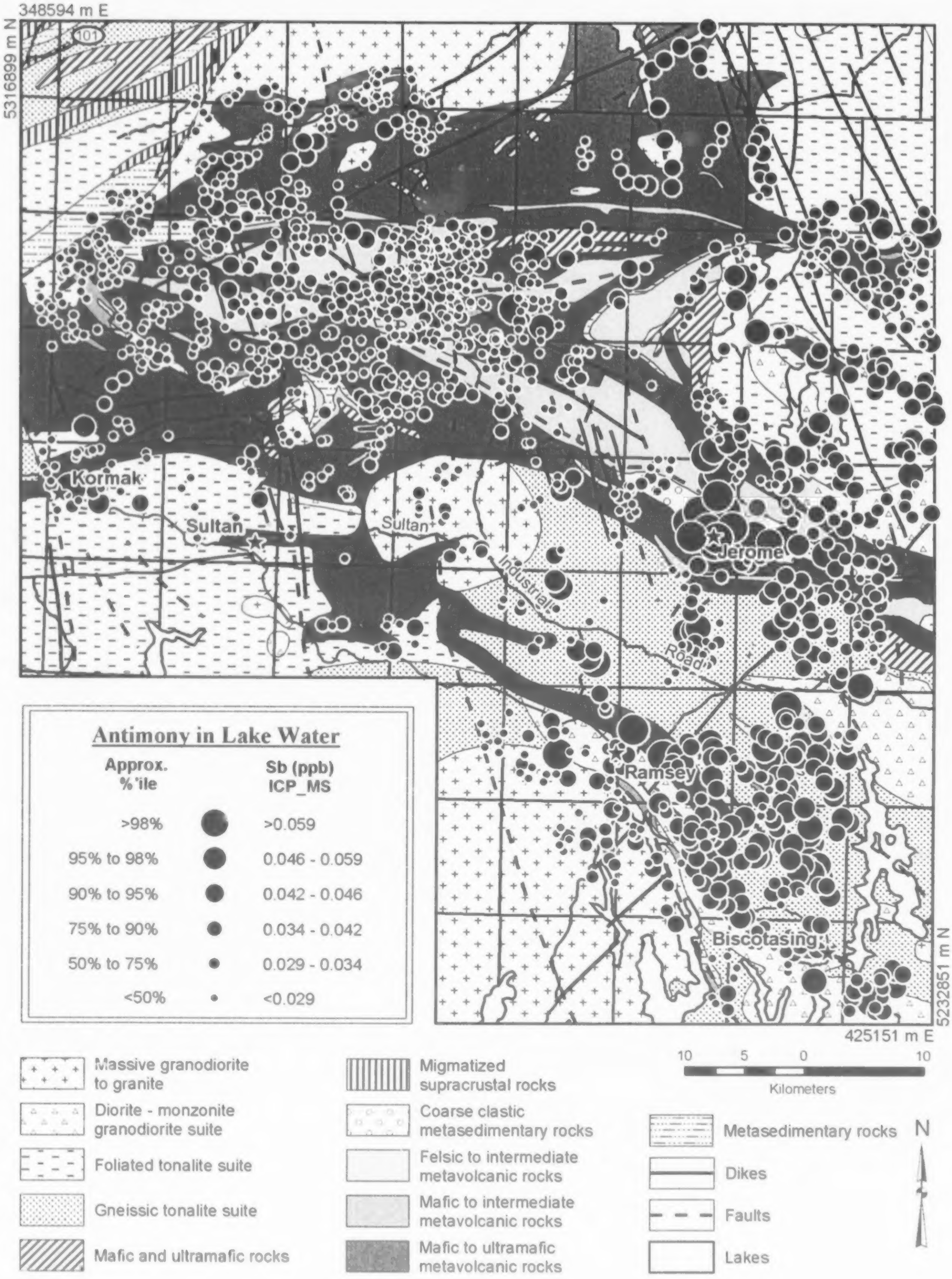
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Antimony in Lake Water
Approx. %'ile
Sb (ppb) ICP_MS
>98% >0.059
95% to 98% 0.046 - 0.059
90% to 95% 0.042 - 0.046
75% to 90% 0.034 - 0.042
50% to 75% 0.029 - 0.034
<50% <0.029
10 5 0 10
Kilometers
Massive granodiorite to granite
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Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
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Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
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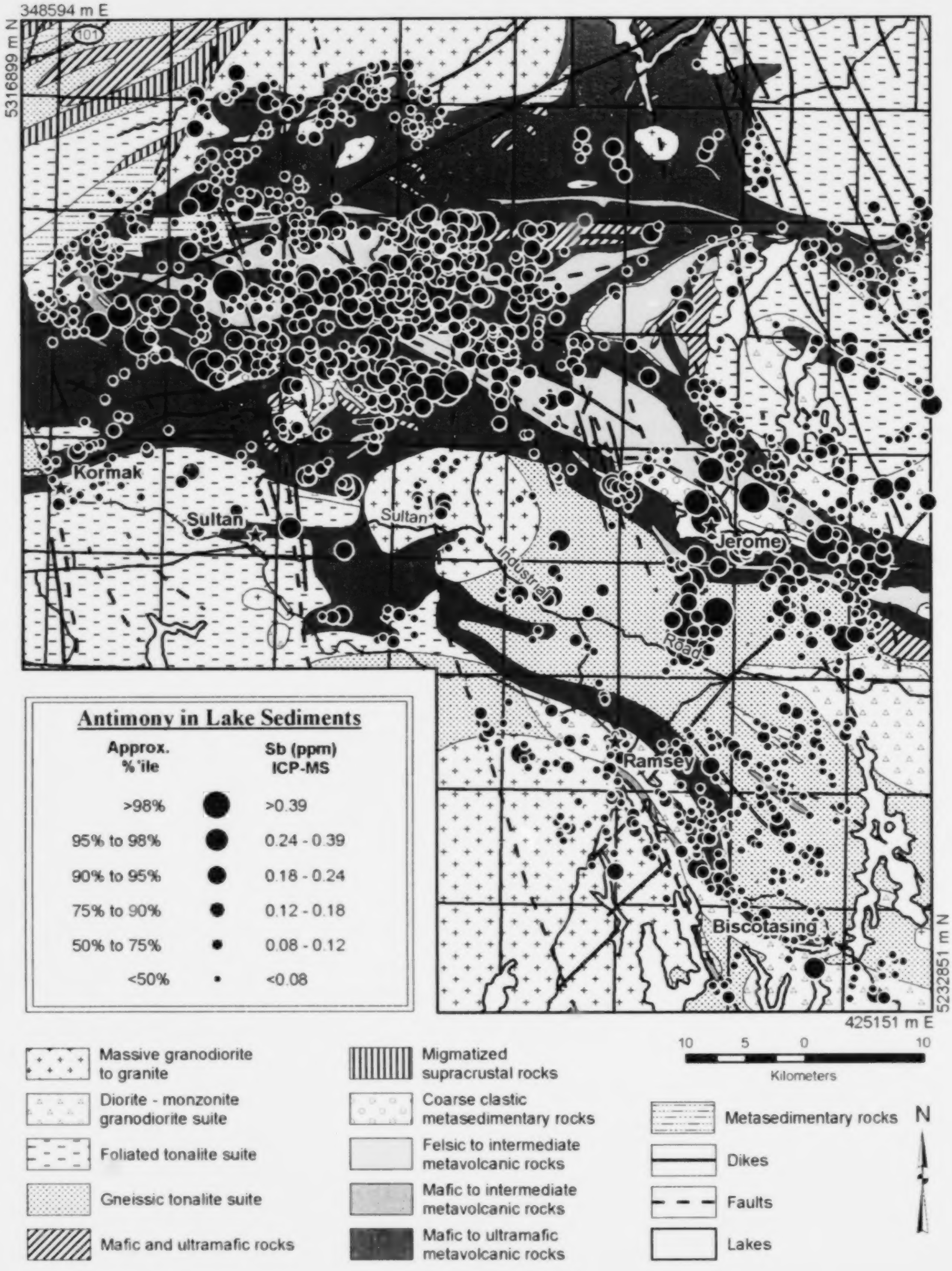
N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5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Antimony in Lake Sediments
Approx. %'ile
Sb (ppm) ICP-MS
>98% ● >0.39
95% to 98% ● 0.24 - 0.39
90% to 95% ● 0.18 - 0.24
75% to 90% ● 0.12 - 0.18
50% to 75% ● 0.08 - 0.12
<50% • <0.08
10 5 0 10
Kilometers
Massive granodiorite to granite
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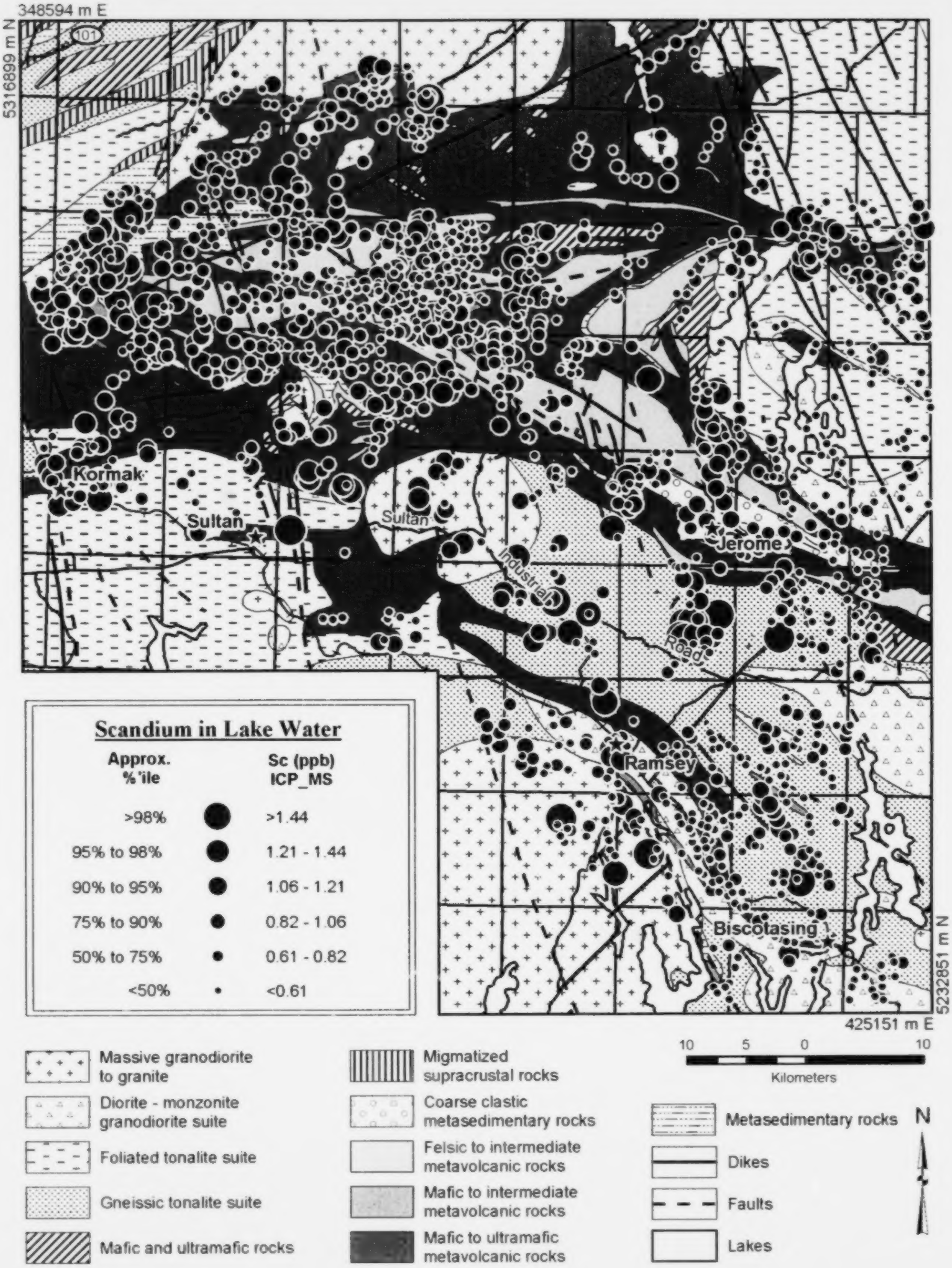
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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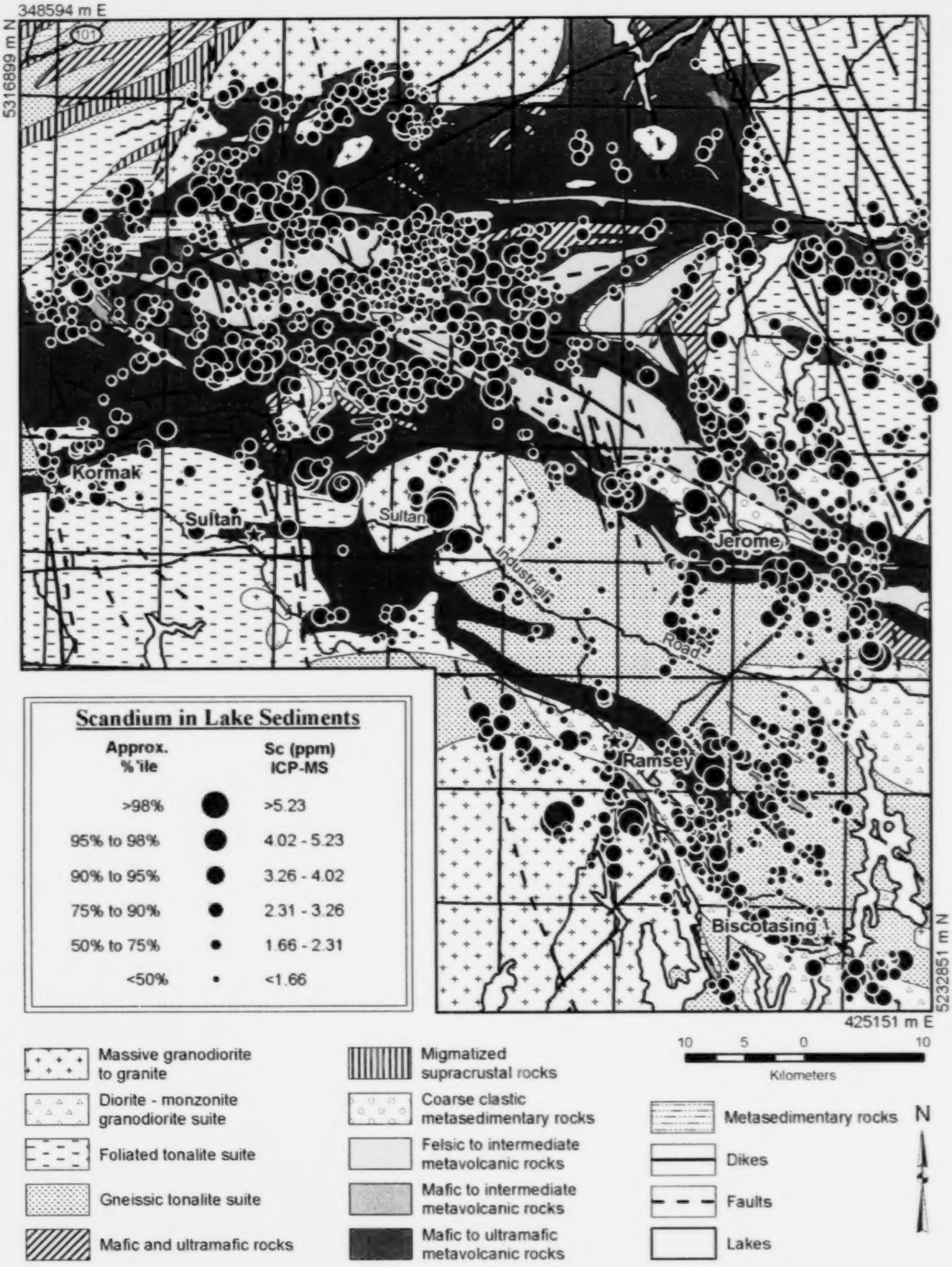
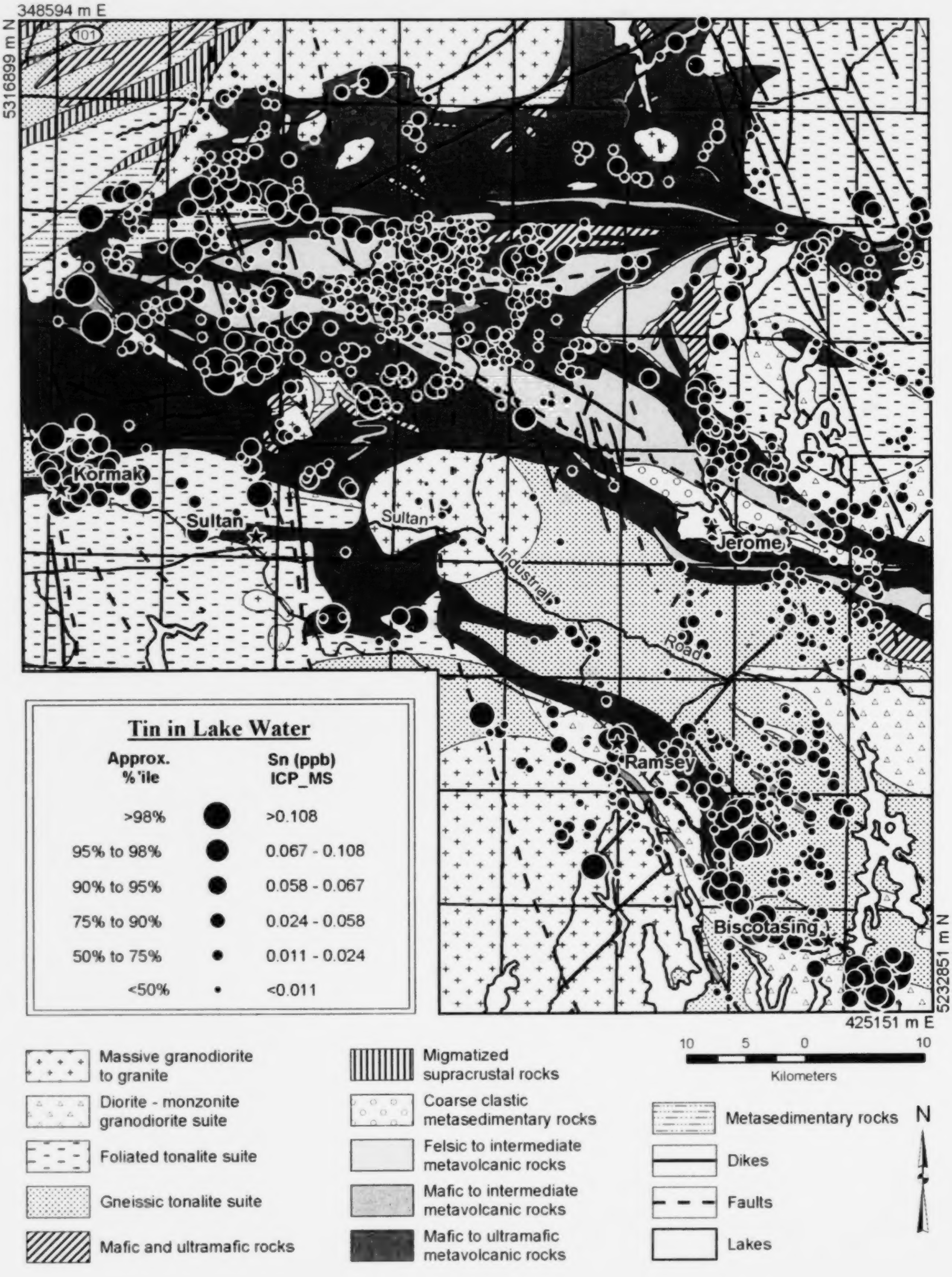
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Scandium in Lake Water
Approx. %'ile
Sc (ppb) ICP_MS
>98% ● >1.44
95% to 98% ● 1.21 - 1.44
90% to 95% ● 1.06 - 1.21
75% to 90% ● 0.82 - 1.06
50% to 75% ● 0.61 - 0.82
<50% • <0.61
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Scandium in Lake Sediments
Approx. %'ile
Sc (ppm) ICP-MS
>98% ● >5.23
95% to 98% ● 4.02 - 5.23
90% to 95% ● 3.26 - 4.02
75% to 90% ● 2.31 - 3.26
50% to 75% ● 1.66 - 2.31
<50% ● <1.66
10
5
0
10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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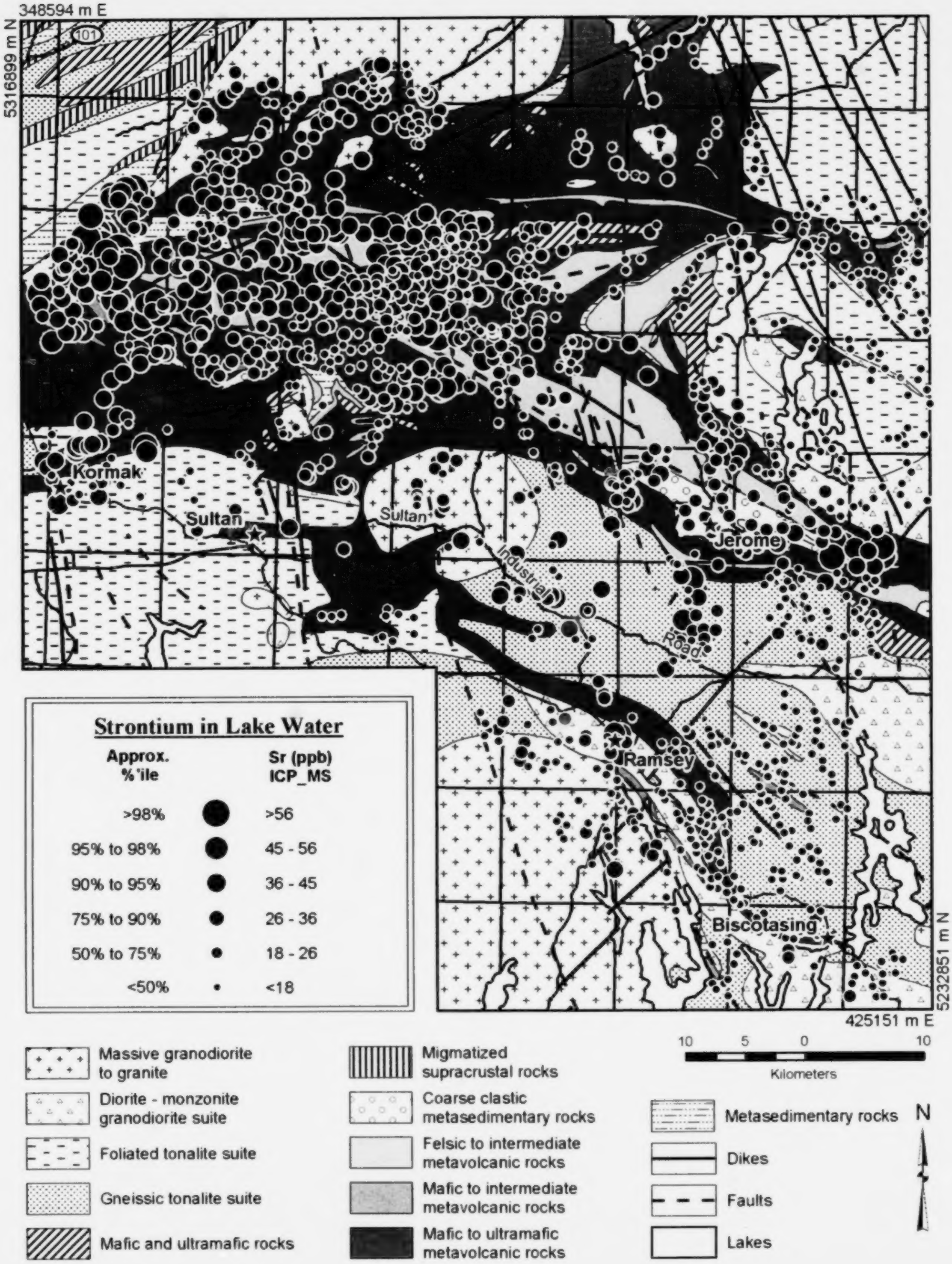
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Tin in Lake Water
Approx. %'ile
Sn (ppb) ICP_MS
>98% ● >0.108
95% to 98% ● 0.067 - 0.108
90% to 95% ● 0.058 - 0.067
75% to 90% ● 0.024 - 0.058
50% to 75% ● 0.011 - 0.024
<50% • <0.011
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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5316899 m N
101
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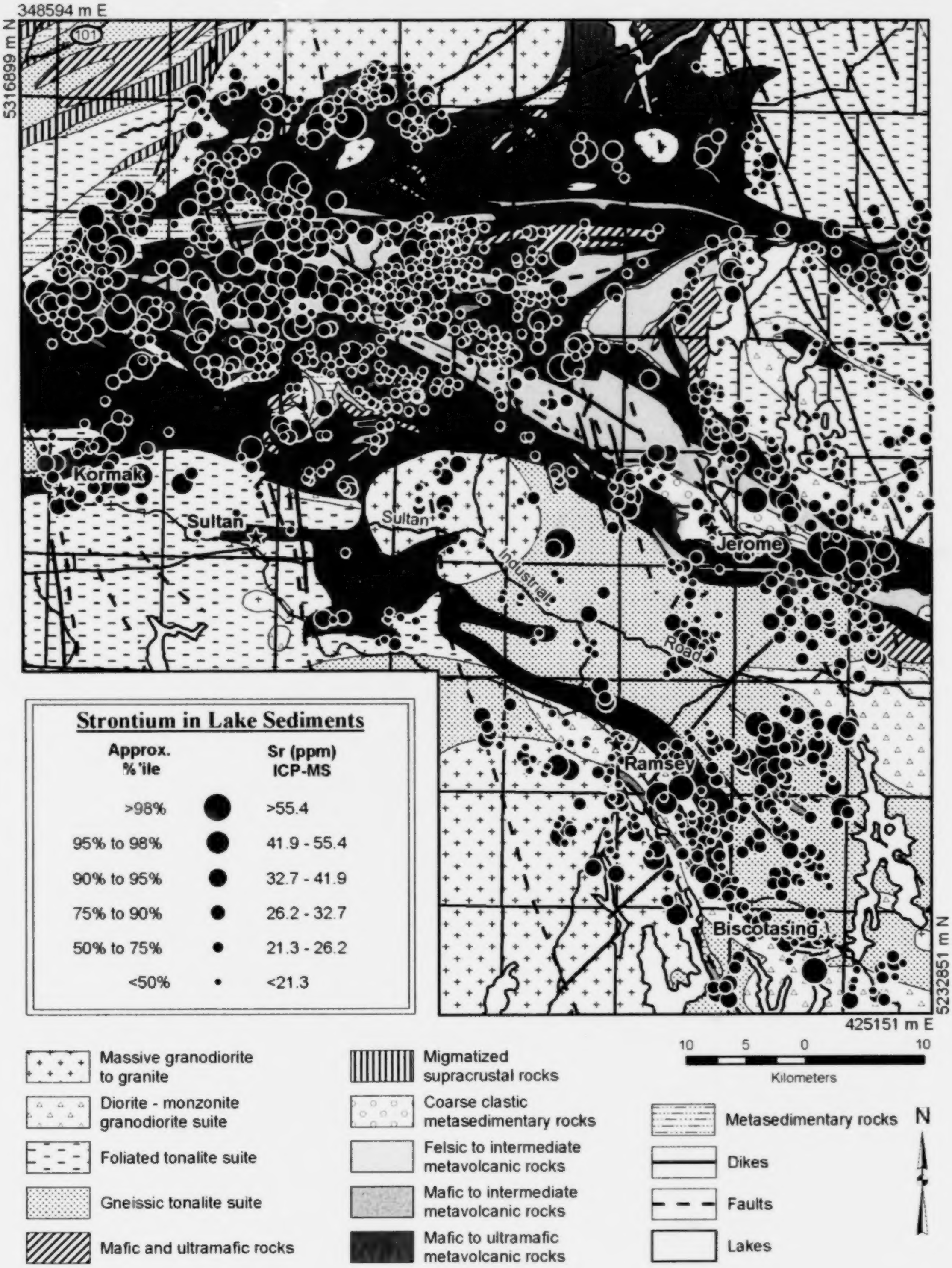
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Strontium in Lake Water
Approx. %'ile
Sr (ppb) ICP_MS
>98% ● >56
95% to 98% ● 45 - 56
90% to 95% ● 36 - 45
75% to 90% ● 26 - 36
50% to 75% ● 18 - 26
<50% • <18
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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5316899 m N
101
Kormak
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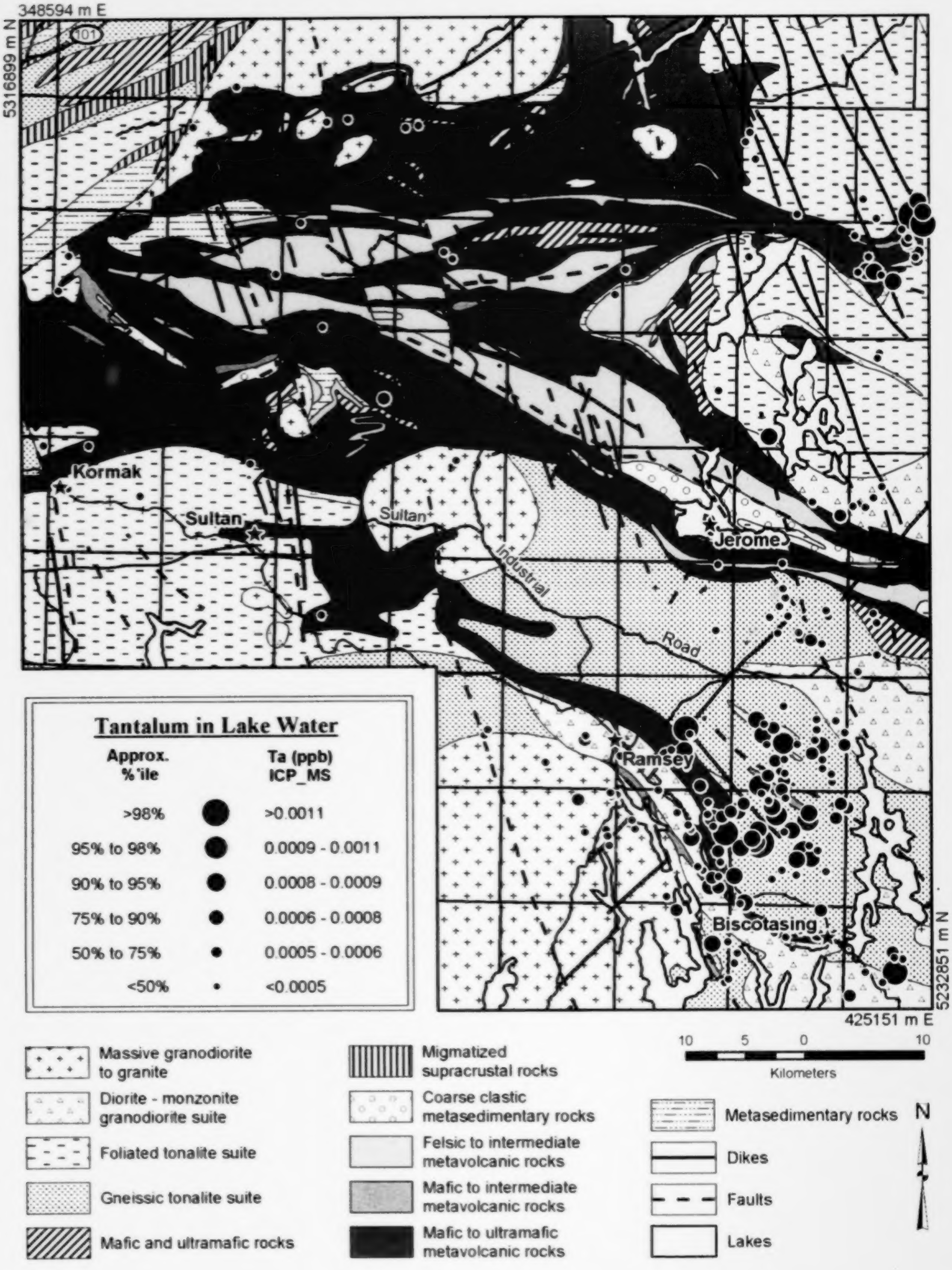
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Strontium in Lake Sediments
Approx. %'ile
Sr (ppm) ICP-MS
>98% >55.4
95% to 98% 41.9 - 55.4
90% to 95% 32.7 - 41.9
75% to 90% 26.2 - 32.7
50% to 75% 21.3 - 26.2
<50% <21.3
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N



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Industrial
Road
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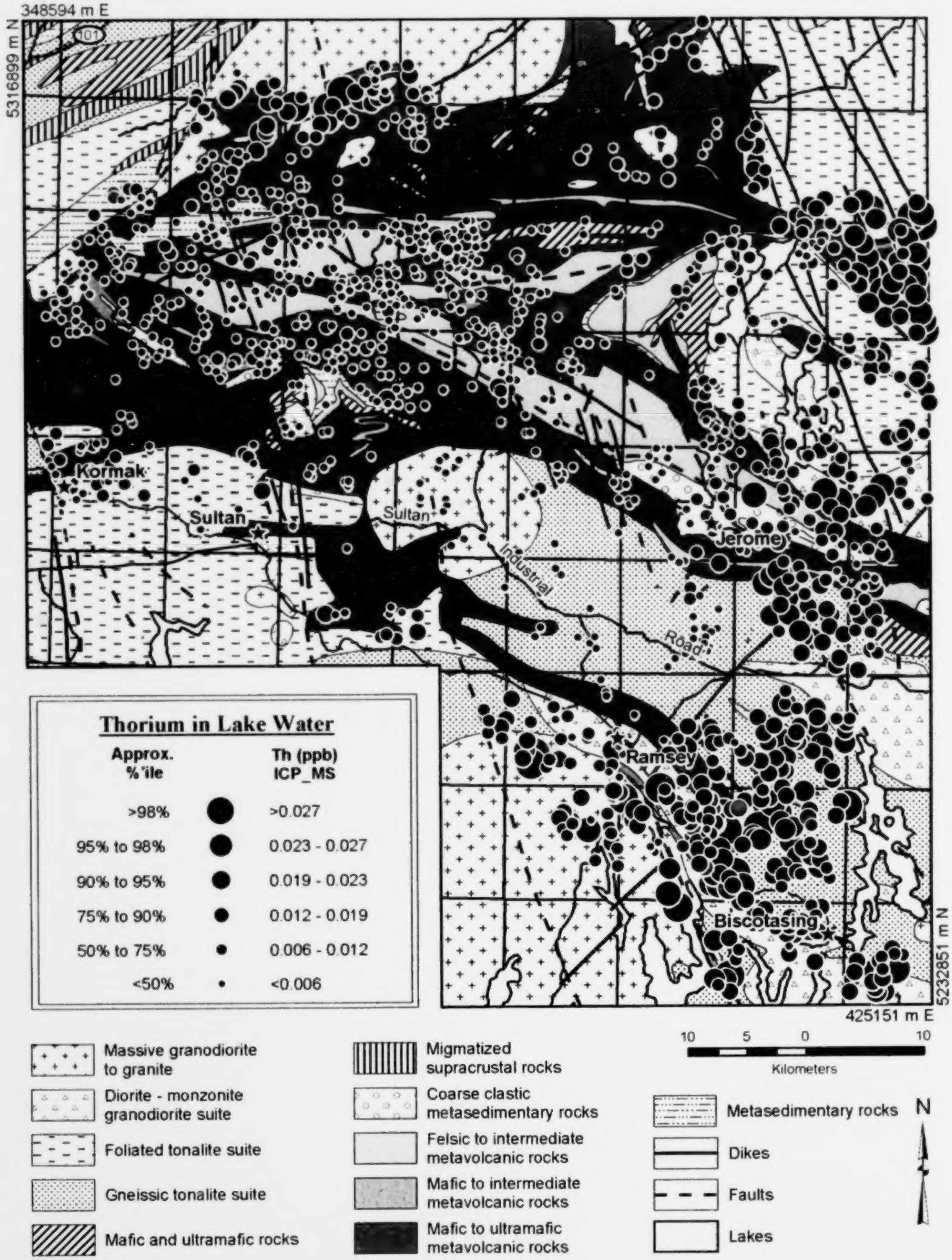
Ramsey
Biscotasing
5232851 m N
425151 m E
Tantalum in Lake Water
Approx. %'ile
Ta (ppb) ICP_MS
>98% >0.0011
95% to 98% 0.0009 - 0.0011
90% to 95% 0.0008 - 0.0009
75% to 90% 0.0006 - 0.0008
50% to 75% 0.0005 - 0.0006
<50% <0.0005
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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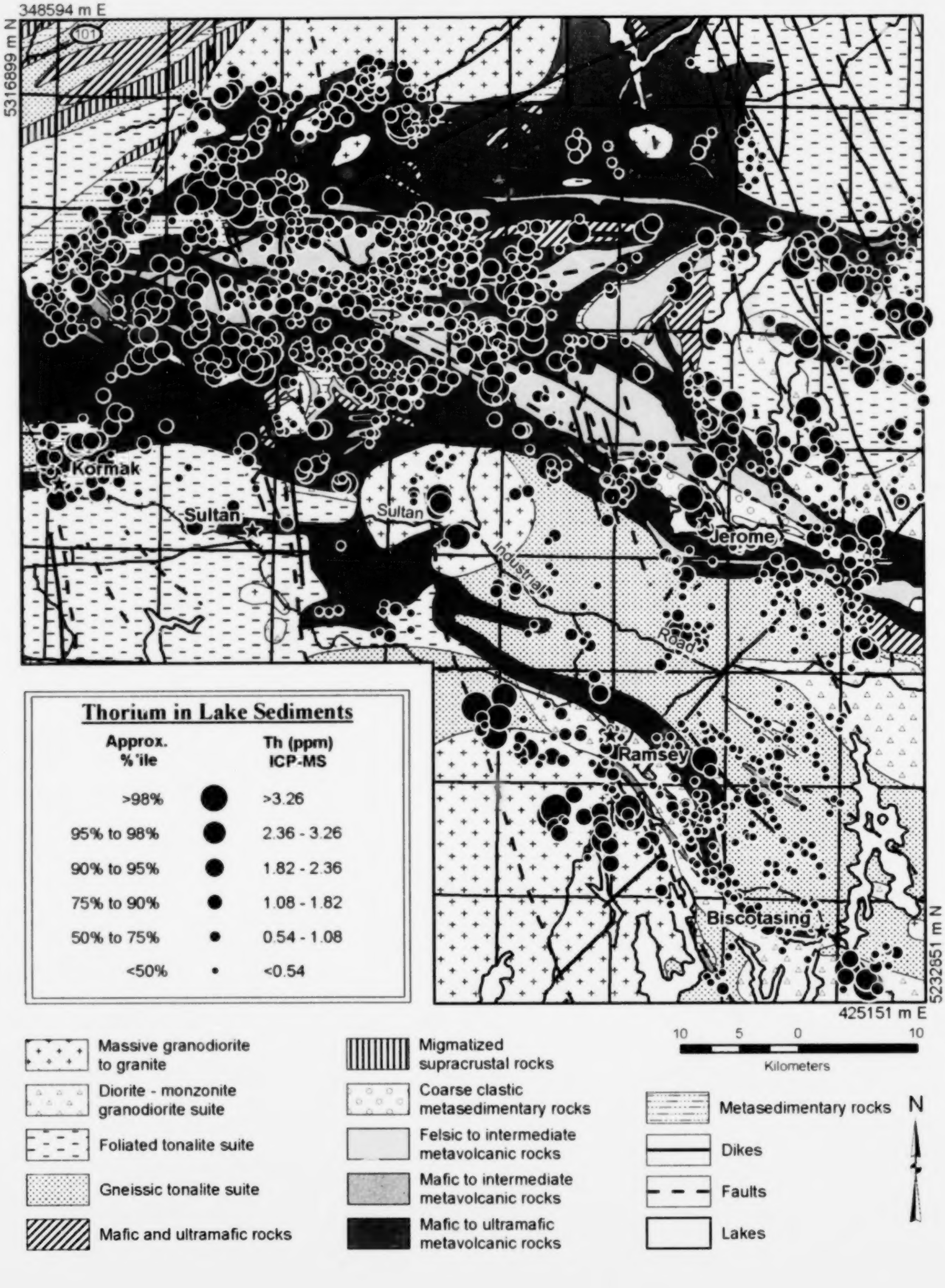
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Thorium in Lake Water
Approx. %'ile
Th (ppb) ICP_MS
>98% ● >0.027
95% to 98% ● 0.023 - 0.027
90% to 95% ● 0.019 - 0.023
75% to 90% ● 0.012 - 0.019
50% to 75% • 0.006 - 0.012
<50% • <0.006
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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5316899 m N
101
Kormak
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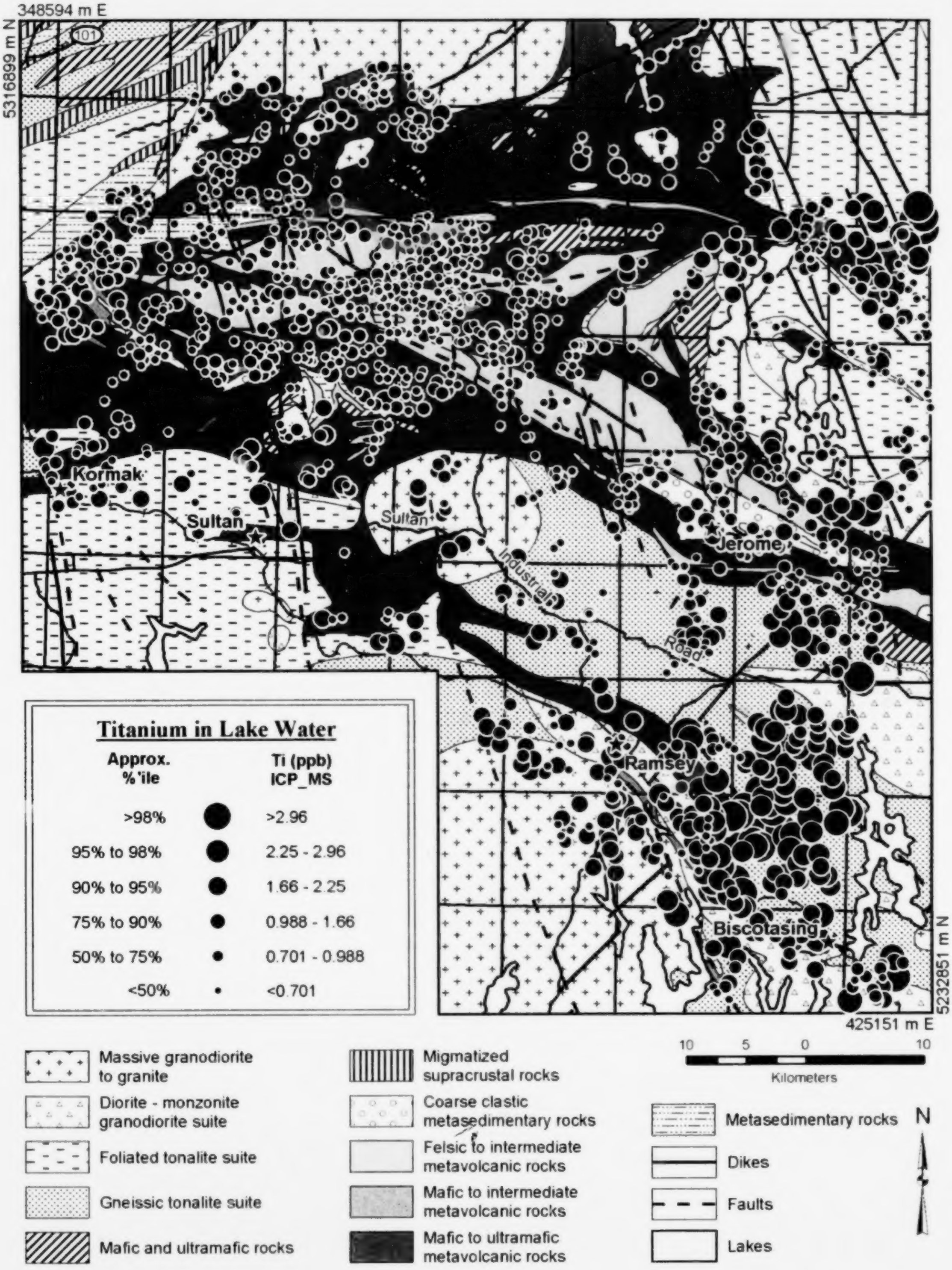
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232651 m N
425151 m E
Thorium in Lake Sediments
Approx. %'ile
Th (ppm) ICP-MS
>98% >3.26
95% to 98% 2.36 - 3.26
90% to 95% 1.82 - 2.36
75% to 90% 1.08 - 1.82
50% to 75% 0.54 - 1.08
<50% <0.54
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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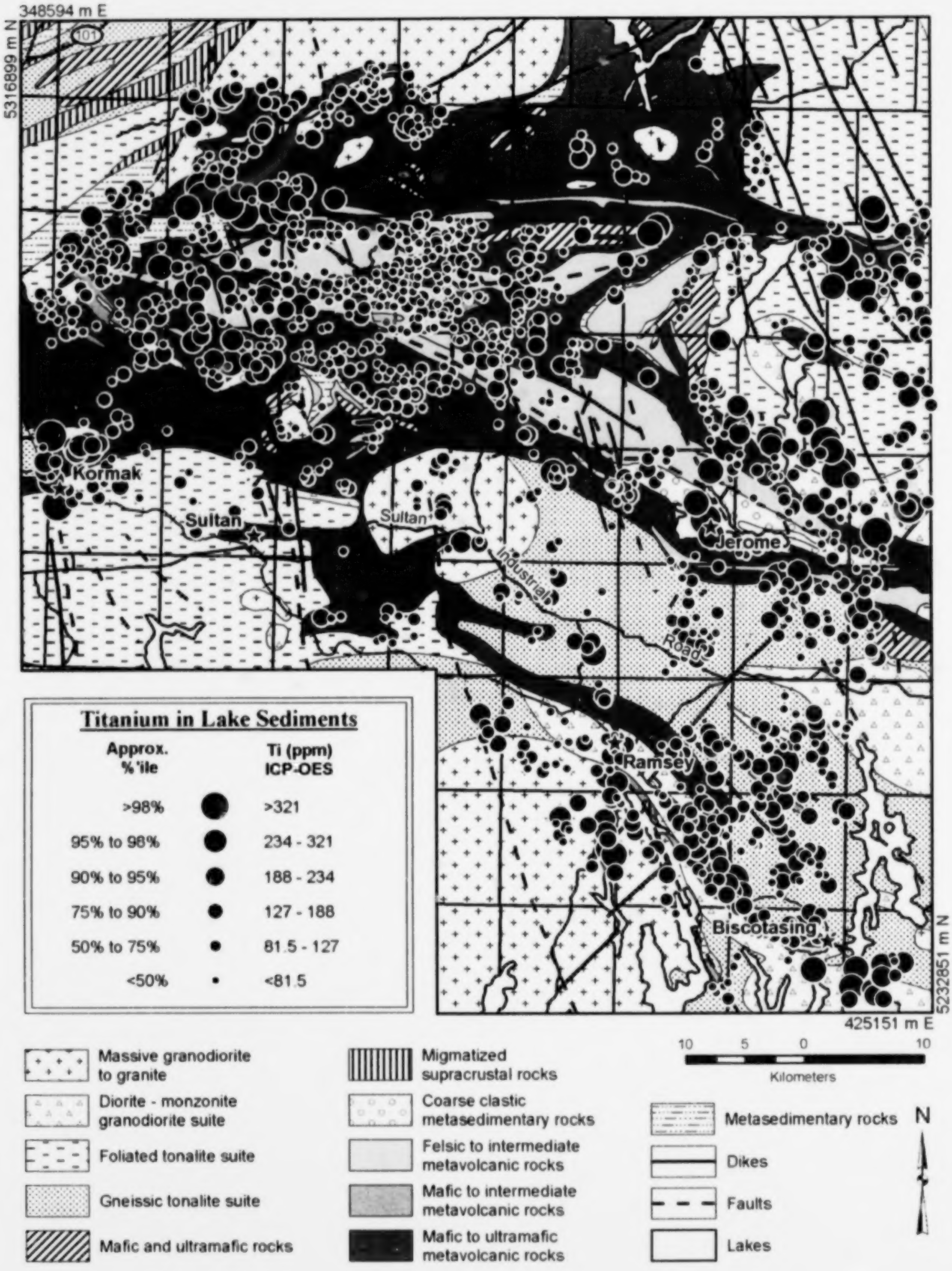
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Titanium in Lake Water
Approx. %'ile
Ti (ppb) ICP_MS
>98% ● >2.96
95% to 98% ● 2.25 - 2.96
90% to 95% ● 1.66 - 2.25
75% to 90% ● 0.988 - 1.66
50% to 75% ● 0.701 - 0.988
<50% • <0.701
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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5316899 m N
101
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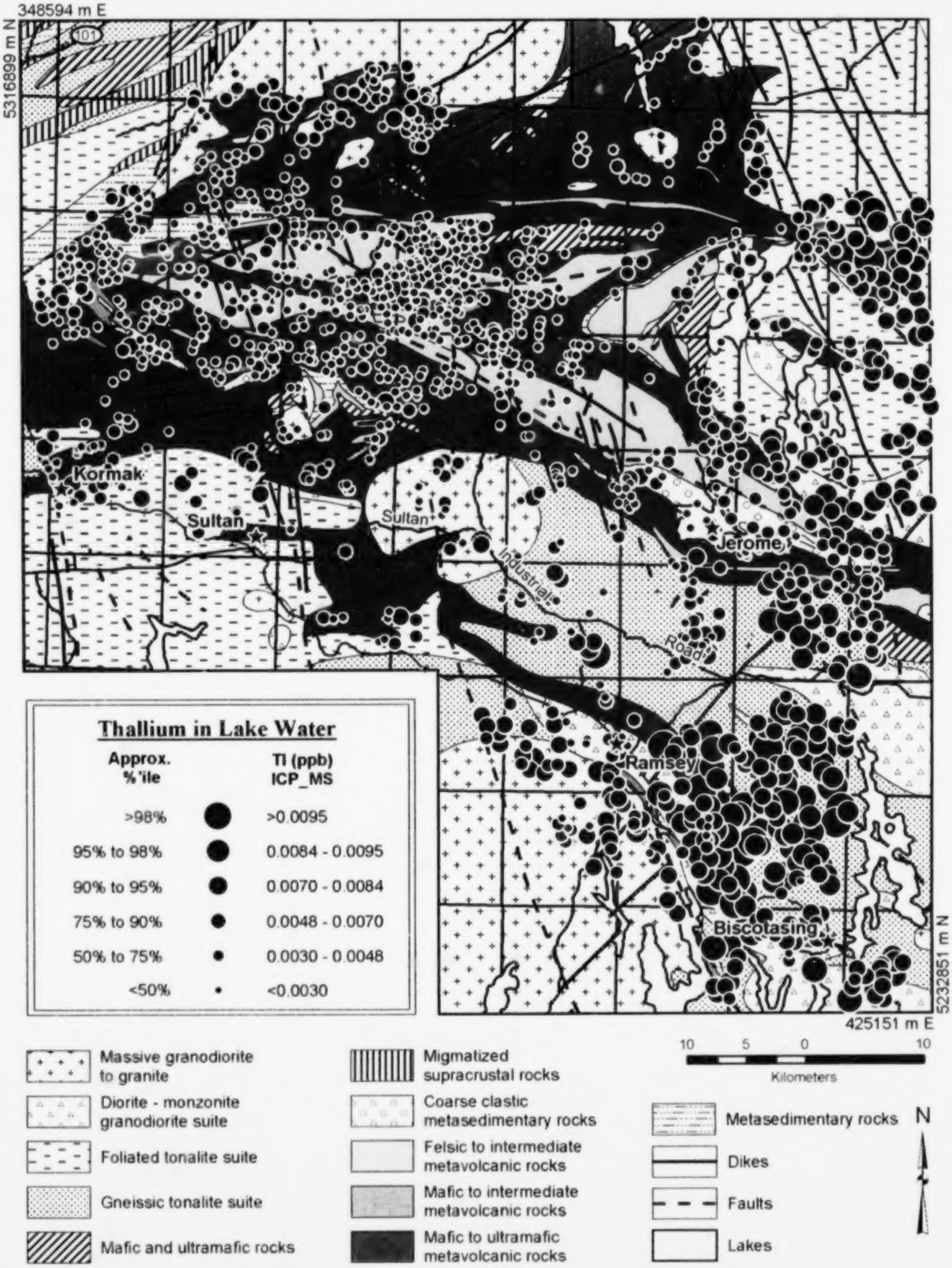
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Titanium in Lake Sediments
Approx. %'ile
Ti (ppm) ICP-OES
>98% >321
95% to 98% 234 - 321
90% to 95% 188 - 234
75% to 90% 127 - 188
50% to 75% 81.5 - 127
<50% <81.5
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
10 5 0 10
Kilometers
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
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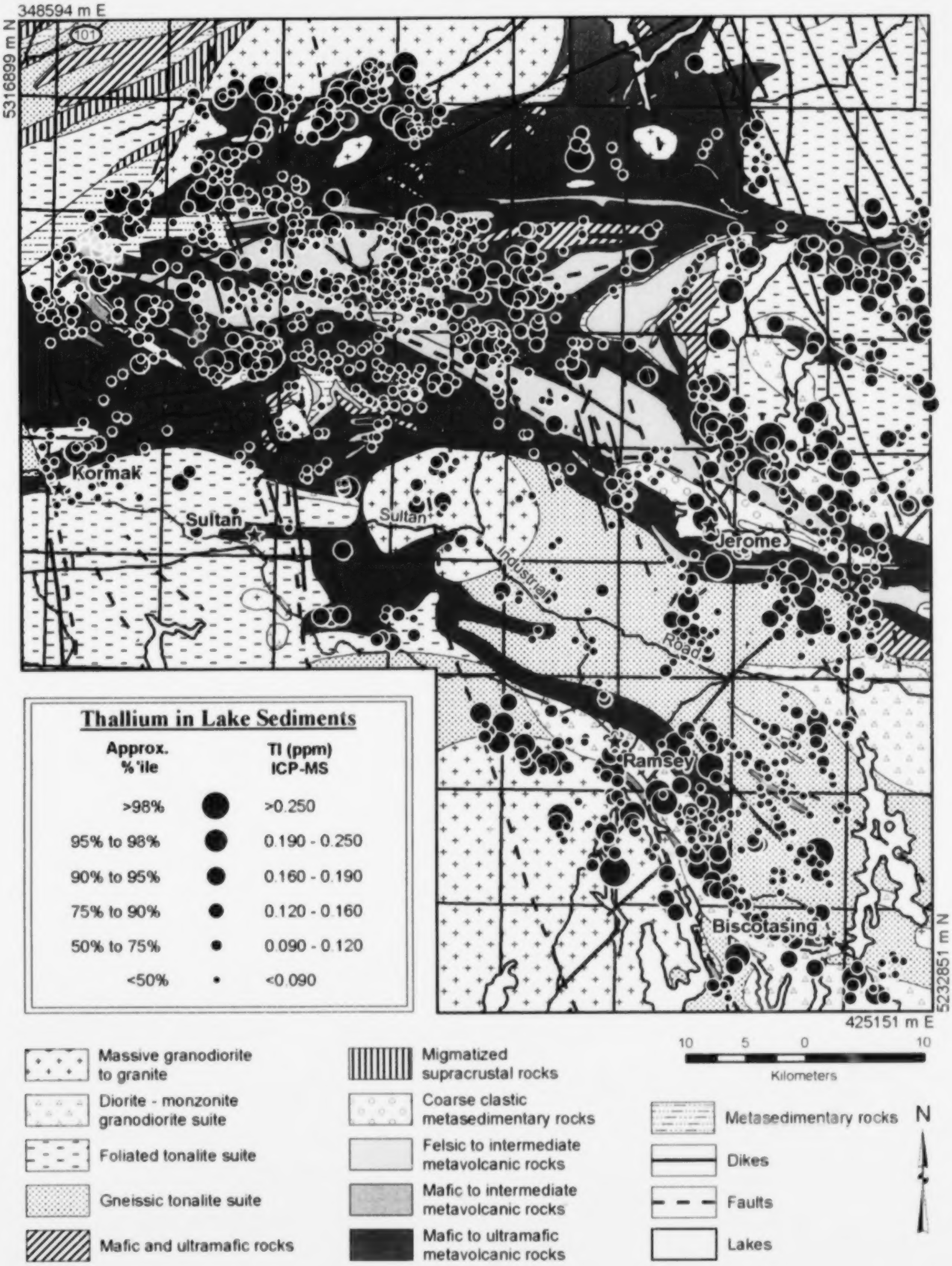
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Thallium in Lake Water
Approx. %'ile
Tl (ppb) ICP_MS
>98% ● >0.0095
95% to 98% ● 0.0084 - 0.0095
90% to 95% ● 0.0070 - 0.0084
75% to 90% ● 0.0048 - 0.0070
50% to 75% ● 0.0030 - 0.0048
<50% • <0.0030
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
10 5 0 10
Kilometers
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
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Industrial
Road
Jerome
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Biscotasing
5232851 m N
425151 m E
Thallium in Lake Sediments
Approx. %'ile
Tl (ppm) ICP-MS
>98%
>0.250
95% to 98%
0.190 - 0.250
90% to 95%
0.160 - 0.190
75% to 90%
0.120 - 0.160
50% to 75%
0.090 - 0.120
<50%
<0.090
10
5
0
10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
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Felsic to intermediate metavolcanic rocks
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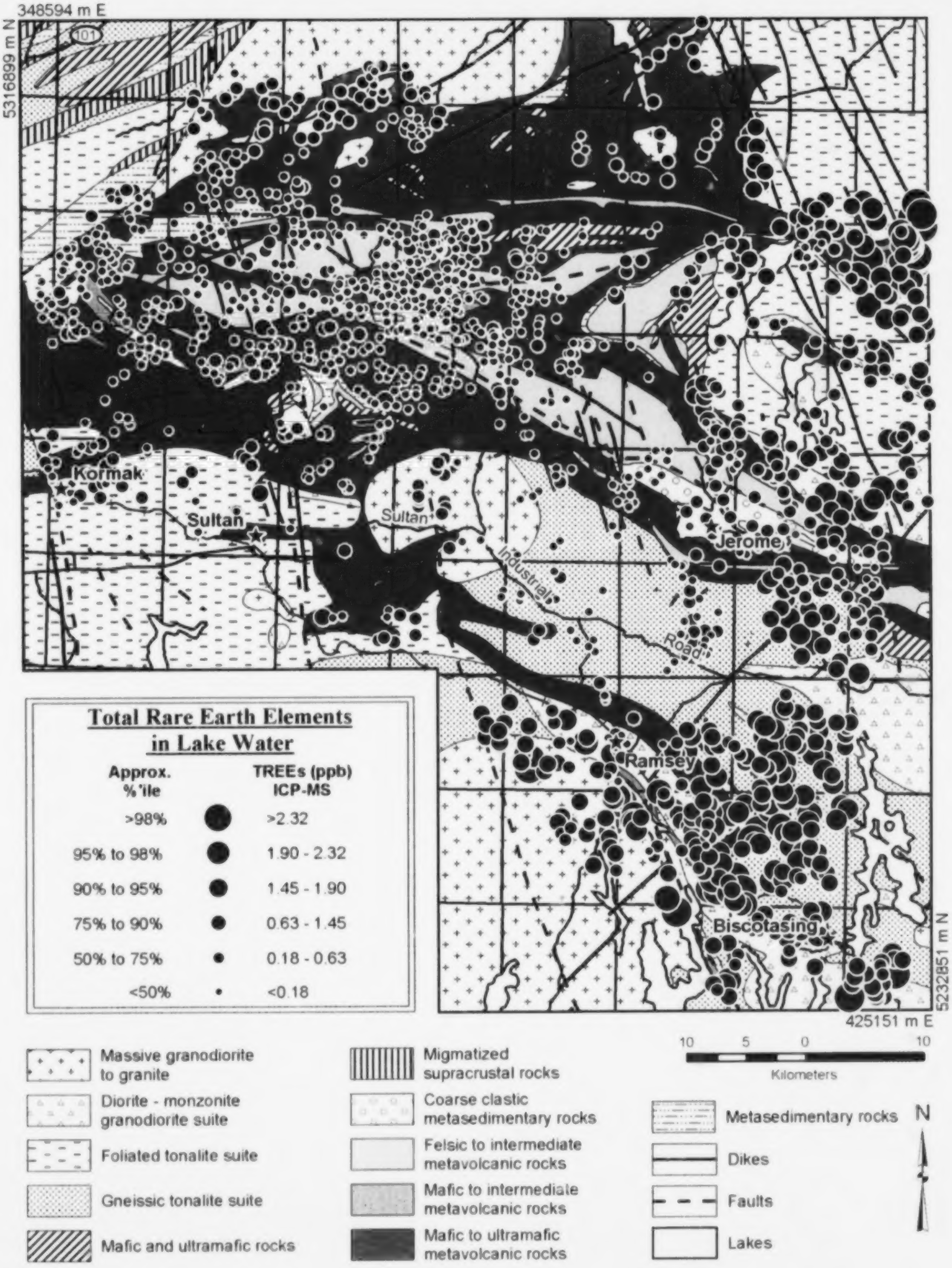
Metasedimentary rocks
Dikes
Faults
Lakes


348594 m E
5316899 m N
101
Kormak
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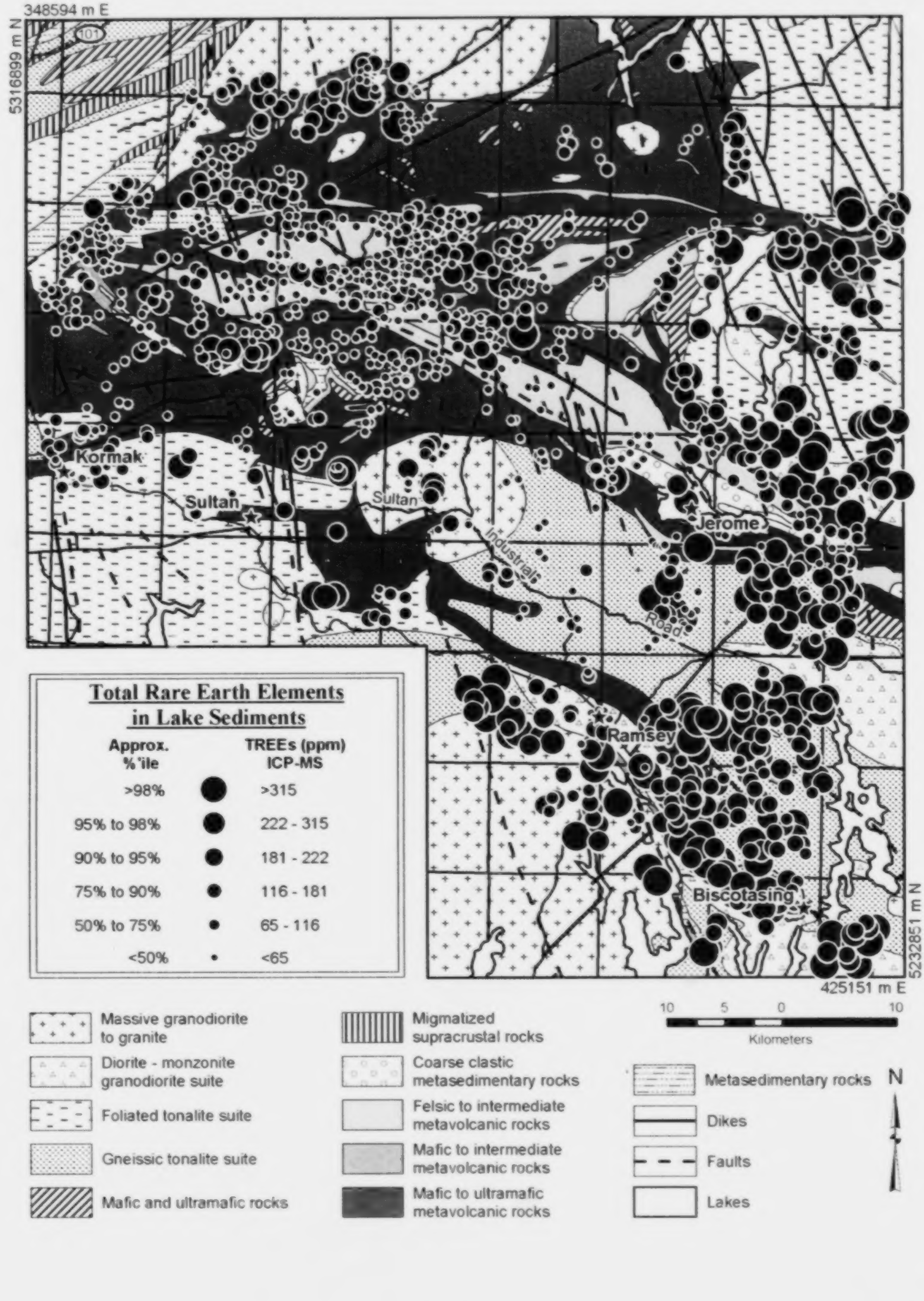
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Total Rare Earth Elements in Lake Water
Approx. %'ile
TREEs (ppb) ICP-MS
>98% >2.32
95% to 98% 1.90 - 2.32
90% to 95% 1.45 - 1.90
75% to 90% 0.63 - 1.45
50% to 75% 0.18 - 0.63
<50% <0.18
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
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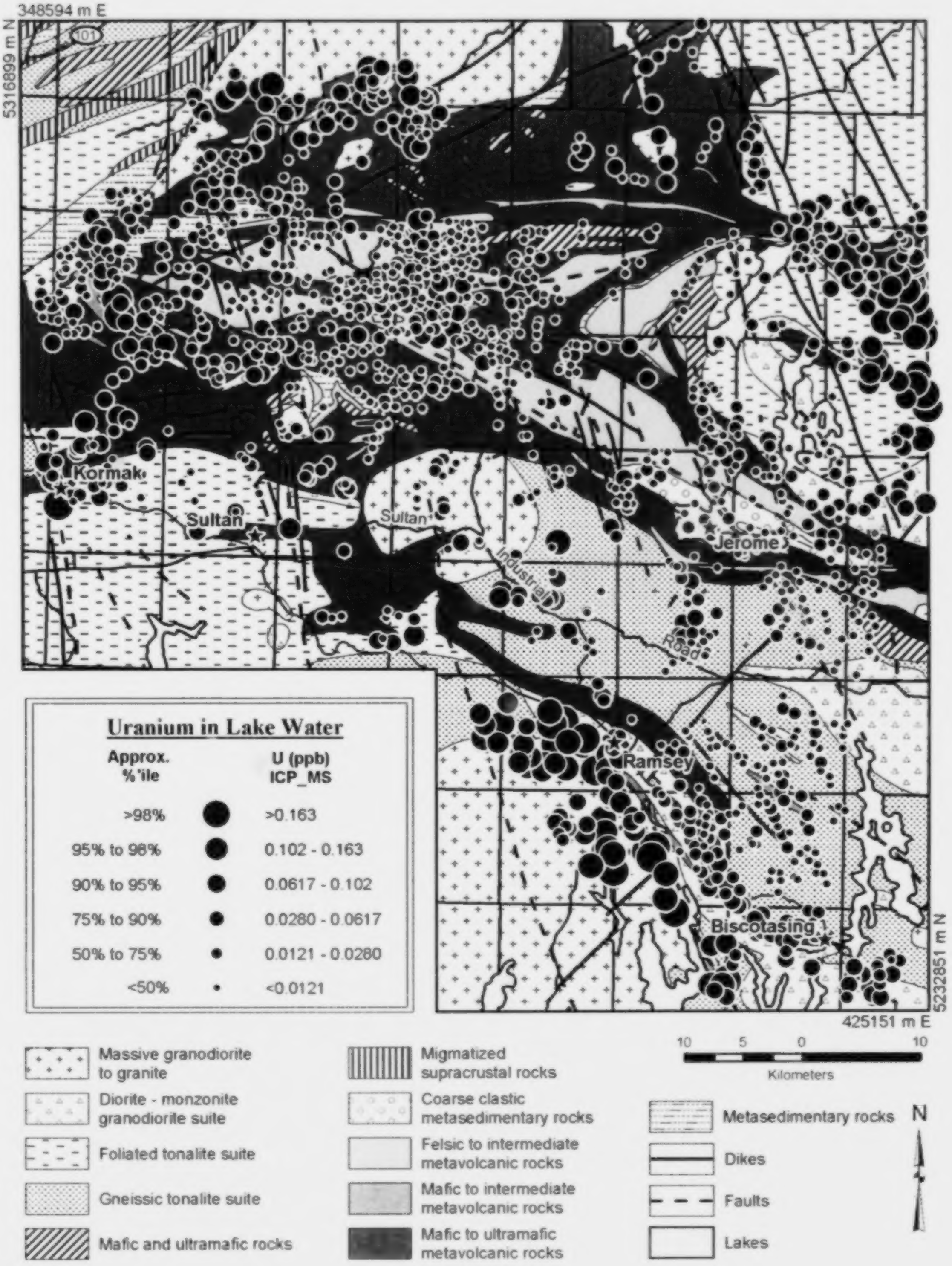
Sultan
Industrials
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Total Rare Earth Elements in Lake Sediments
Approx. %'ile
TREEs (ppm) ICP-MS
>98% >315
95% to 98% 222 - 315
90% to 95% 181 - 222
75% to 90% 116 - 181
50% to 75% 65 - 116
<50% <65
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes


348594 m E
5316899 m N
101
Kormak
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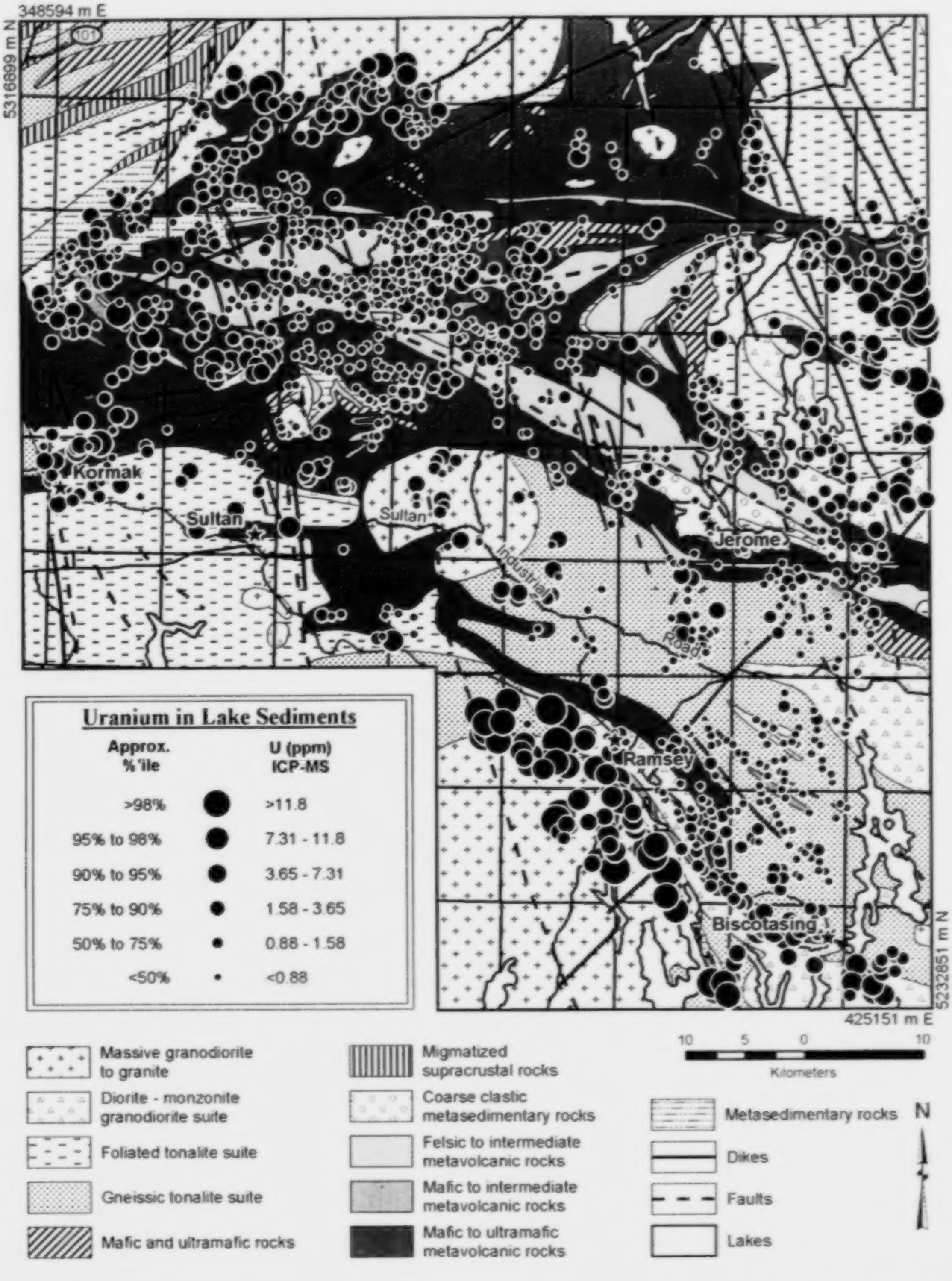
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Uranium in Lake Water
Approx. %'ile
U (ppb) ICP_MS
>98% >0.163
95% to 98% 0.102 - 0.163
90% to 95% 0.0617 - 0.102
75% to 90% 0.0280 - 0.0617
50% to 75% 0.0121 - 0.0280
<50% <0.0121
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N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5316899 m N
101
Kormak
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Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Uranium in Lake Sediments
Approx. %'ile
U (ppm) ICP-MS
>98% >11.8
95% to 98% 7.31 - 11.8
90% to 95% 3.65 - 7.31
75% to 90% 1.58 - 3.65
50% to 75% 0.88 - 1.58
<50% <0.88
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
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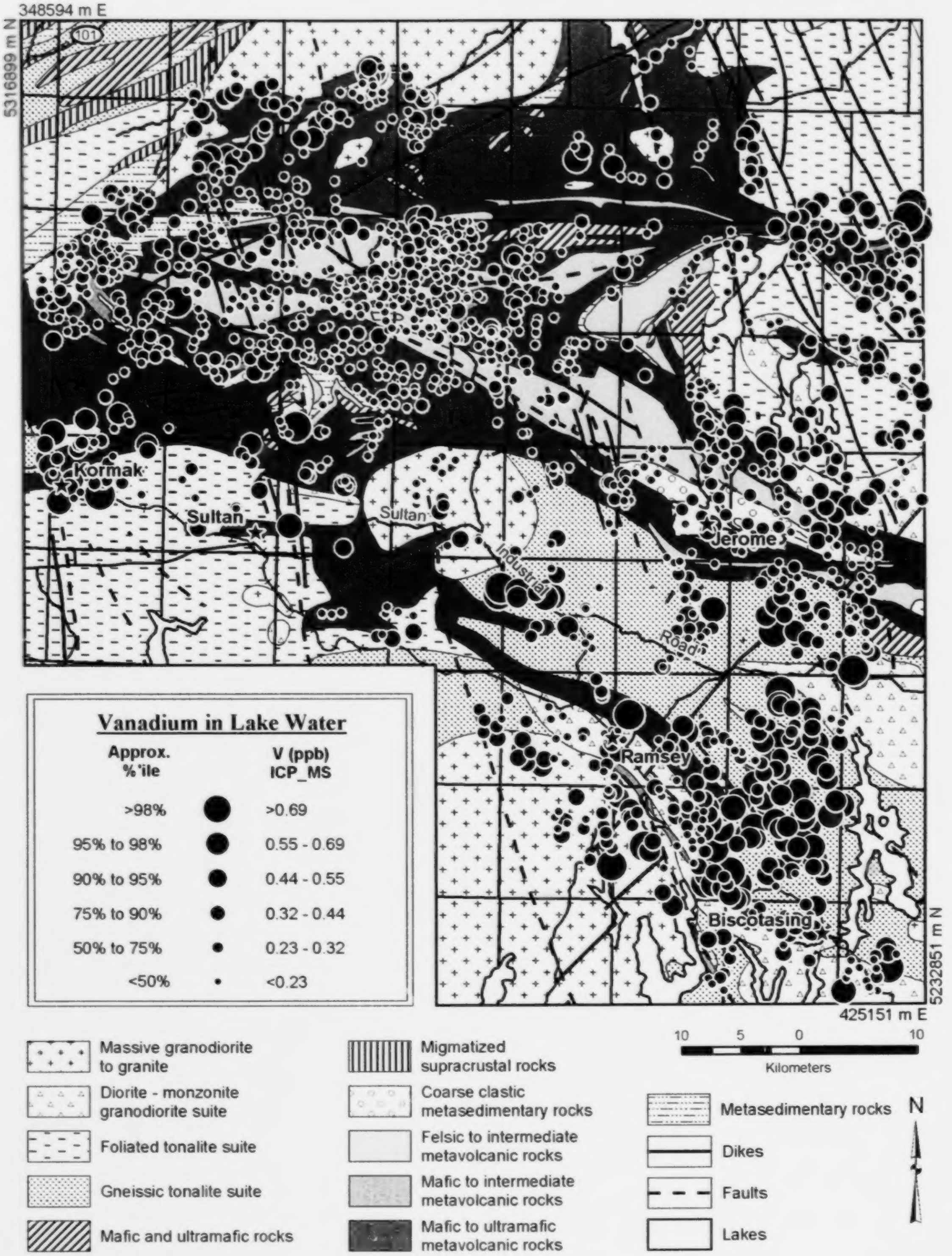
Lakes


348594 m E
5316899 m N
101
Kormak
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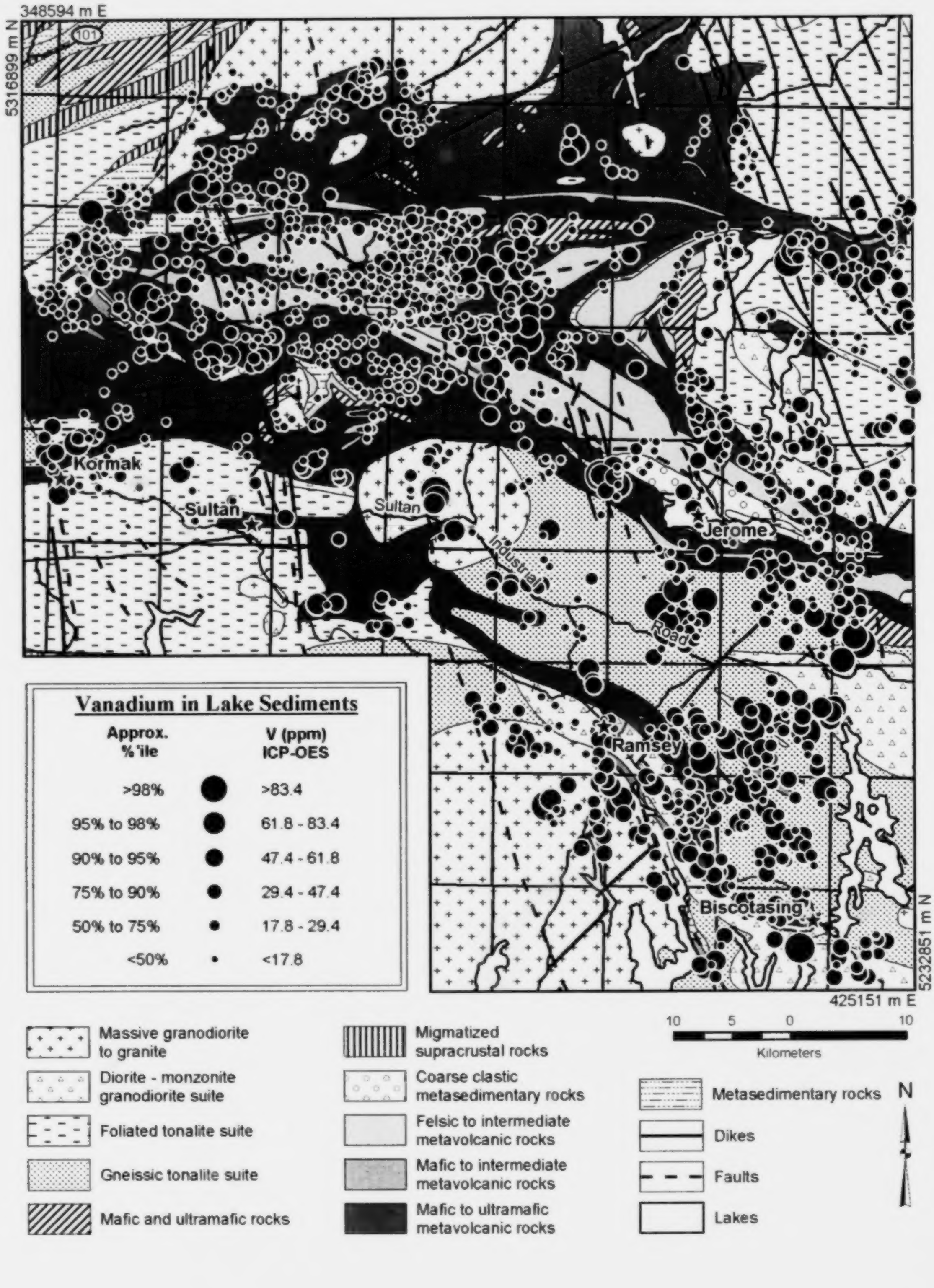
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Vanadium in Lake Water
Approx. %'ile
V (ppb) ICP_MS
>98% >0.69
95% to 98% 0.55 - 0.69
90% to 95% 0.44 - 0.55
75% to 90% 0.32 - 0.44
50% to 75% 0.23 - 0.32
<50% <0.23
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
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Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Vanadium in Lake Sediments
Approx. %'ile
V (ppm) ICP-OES
>98% >83.4
95% to 98% 61.8 - 83.4
90% to 95% 47.4 - 61.8
75% to 90% 29.4 - 47.4
50% to 75% 17.8 - 29.4
<50% <17.8
10 5 0 10
Kilometers
Massive granodiorite to granite
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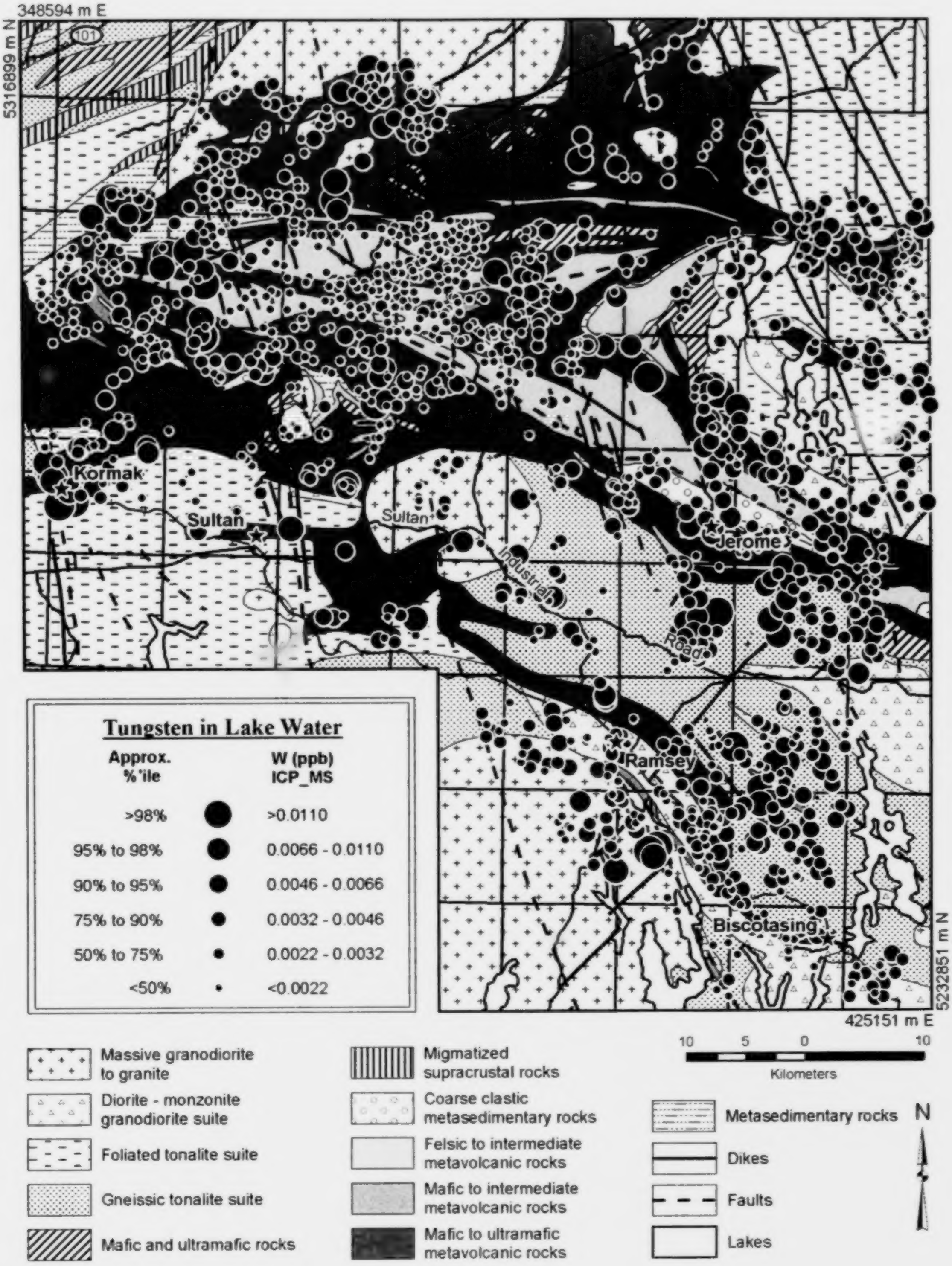
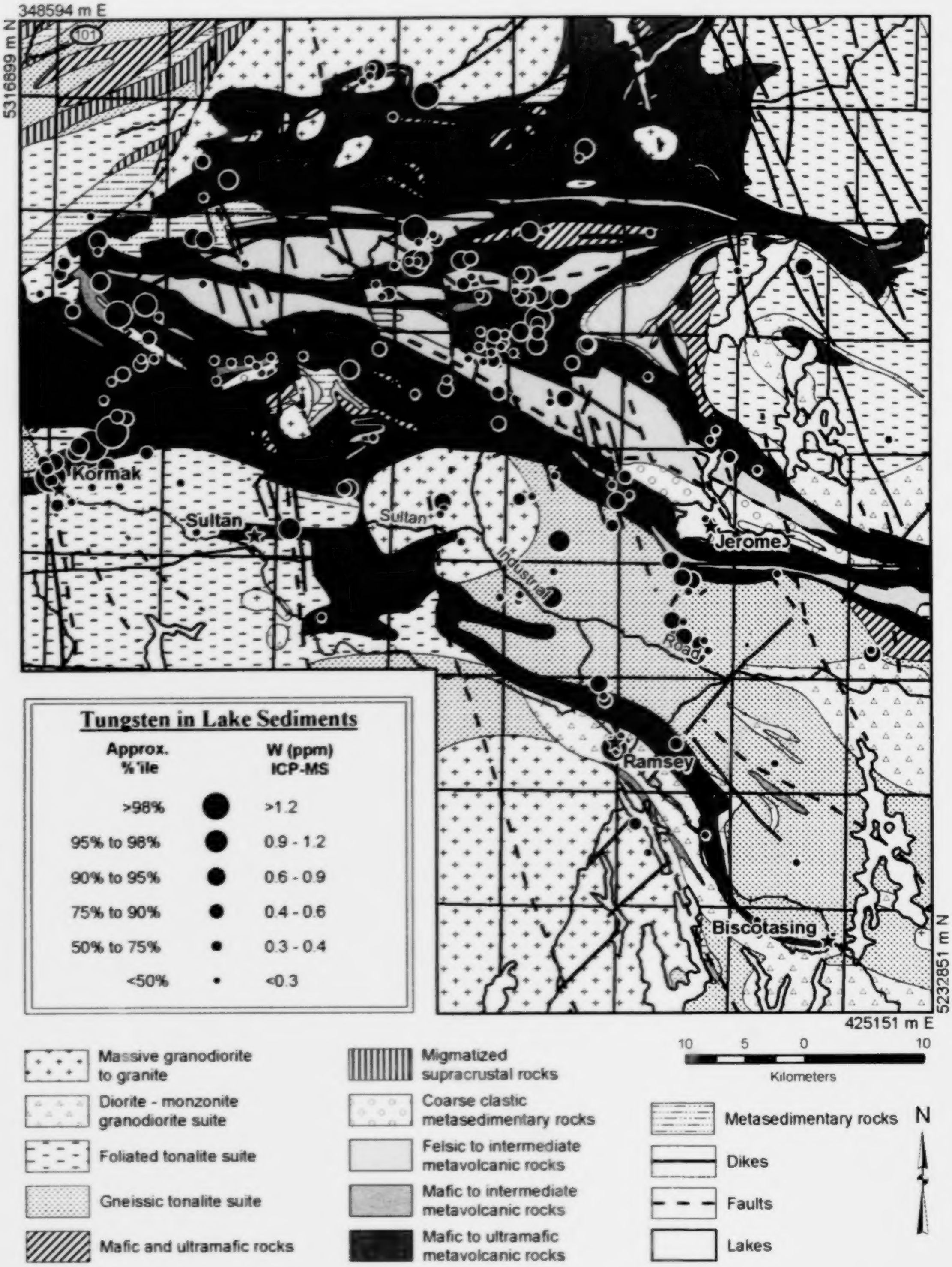
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Tungsten in Lake Water
Approx. %'ile
W (ppb) ICP_MS
>98% >0.0110
95% to 98% 0.0066 - 0.0110
90% to 95% 0.0046 - 0.0066
75% to 90% 0.0032 - 0.0046
50% to 75% 0.0022 - 0.0032
<50% <0.0022
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
10 5 0 10
Kilometers
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
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Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Tungsten in Lake Sediments
Approx. %'ile
W (ppm) ICP-MS
>98% >1.2
95% to 98% 0.9 - 1.2
90% to 95% 0.6 - 0.9
75% to 90% 0.4 - 0.6
50% to 75% 0.3 - 0.4
<50% <0.3
10 5 0 10
Kilometers
N
Massive granodiorite to granite
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Foliated tonalite suite
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Mafic and ultramafic rocks
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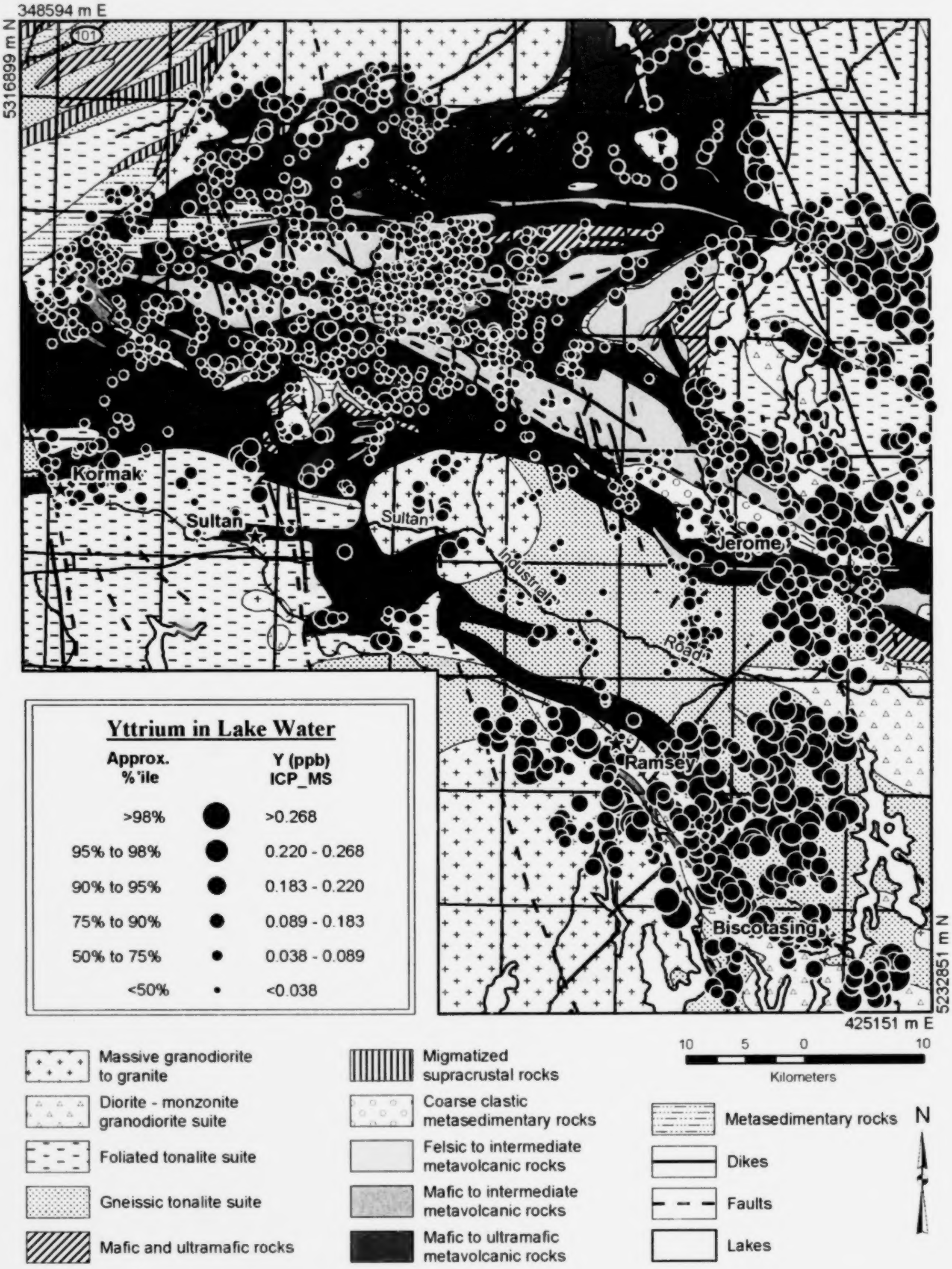
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes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5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Yttrium in Lake Water
Approx. %'ile
Y (ppb) ICP_MS
>98% ● >0.268
95% to 98% ● 0.220 - 0.268
90% to 95% ● 0.183 - 0.220
75% to 90% ● 0.089 - 0.183
50% to 75% ● 0.038 - 0.089
<50% • <0.038
Massive granodiorite to granite
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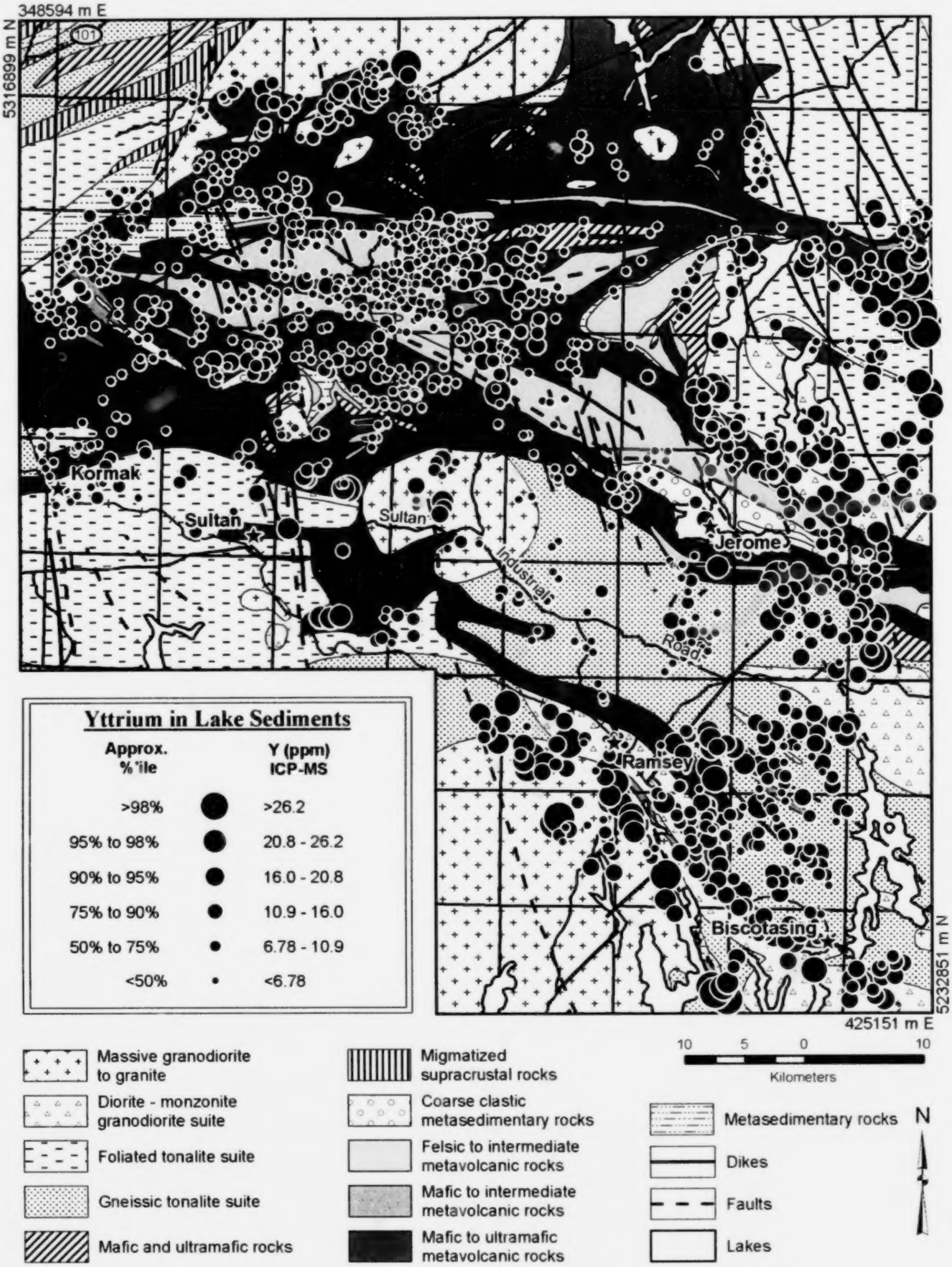
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
10 5 0 10
Kilometers
Metasedimentary rocks
Dikes
Faults
Lakes
N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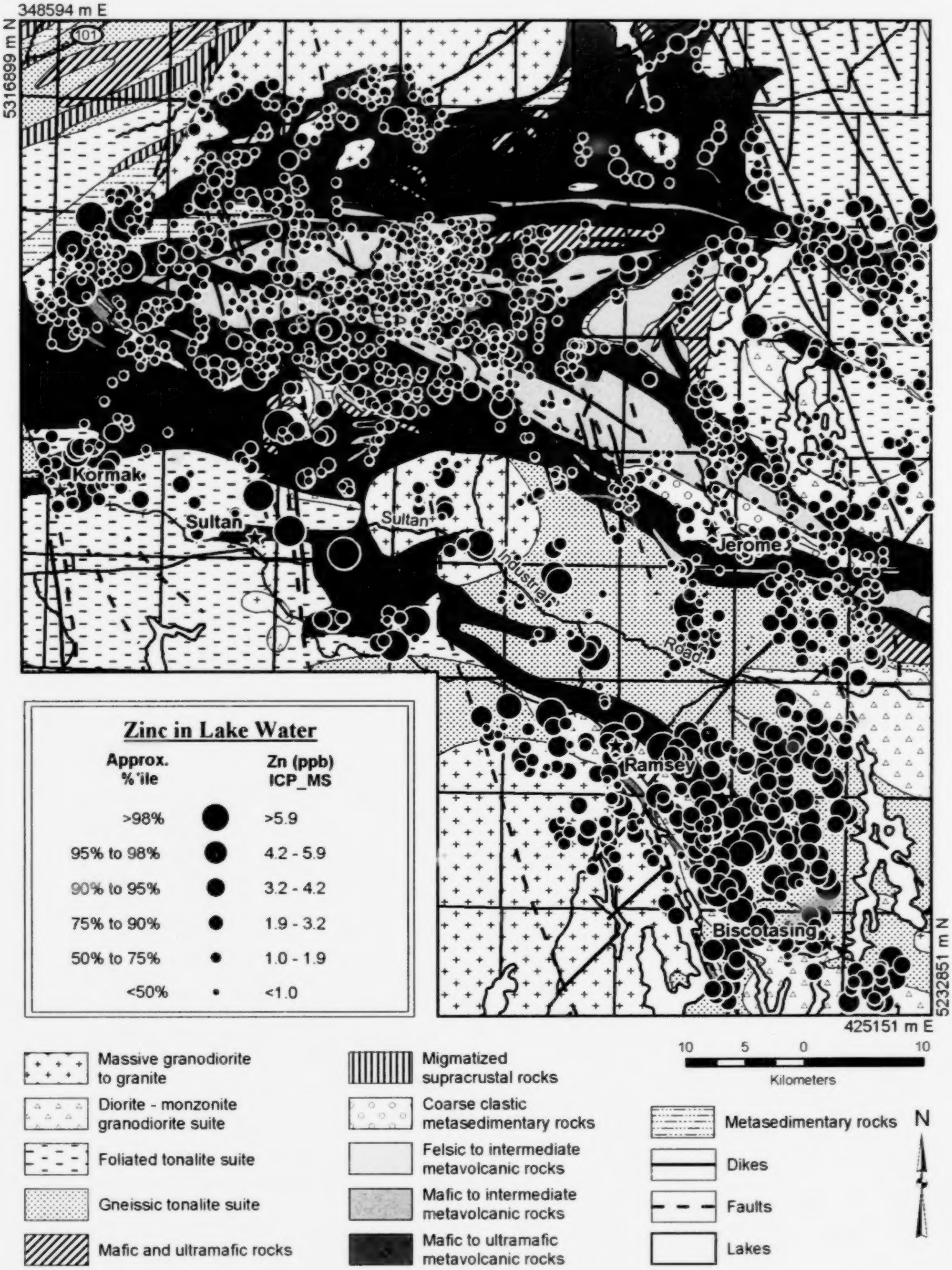
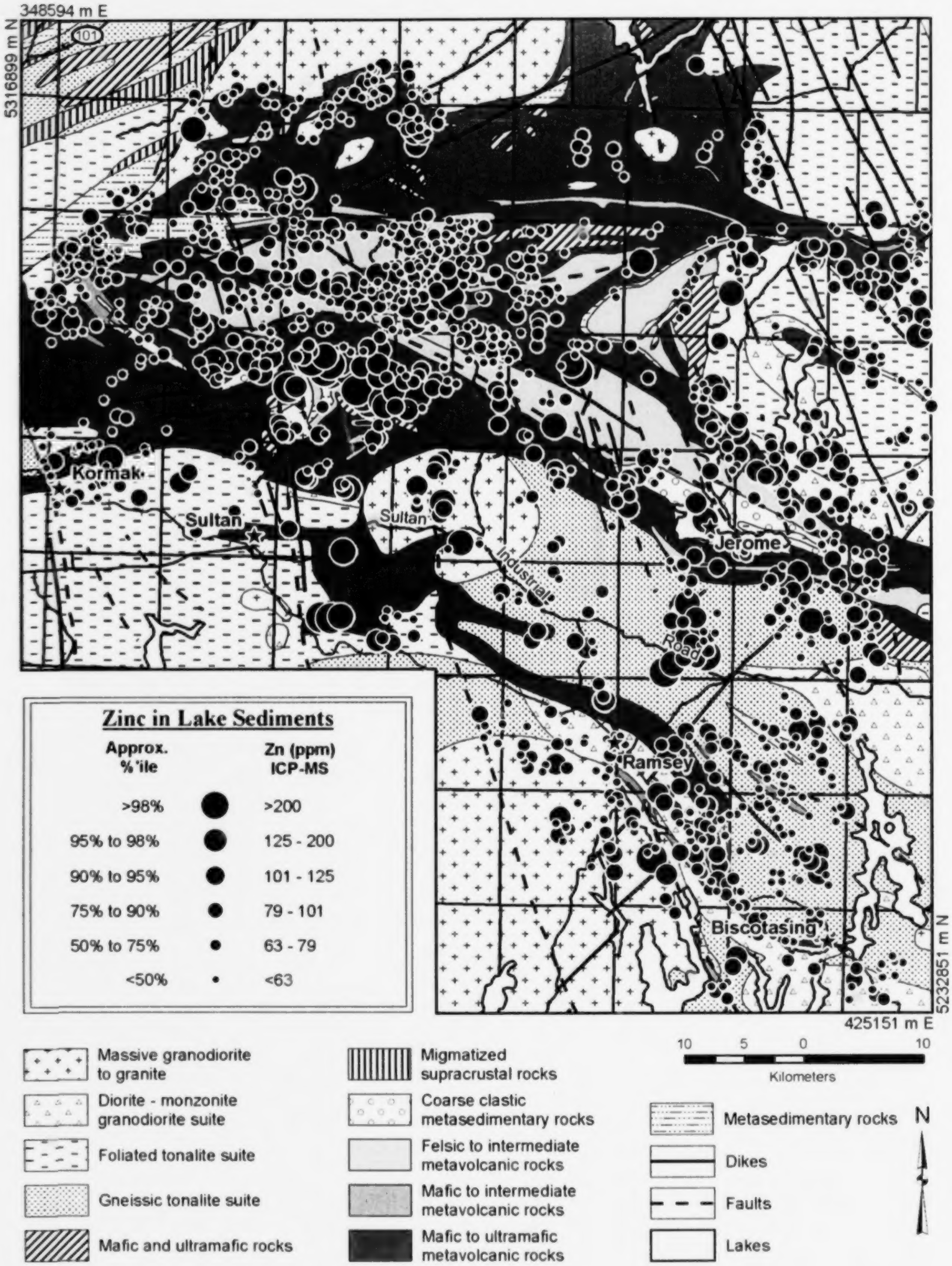
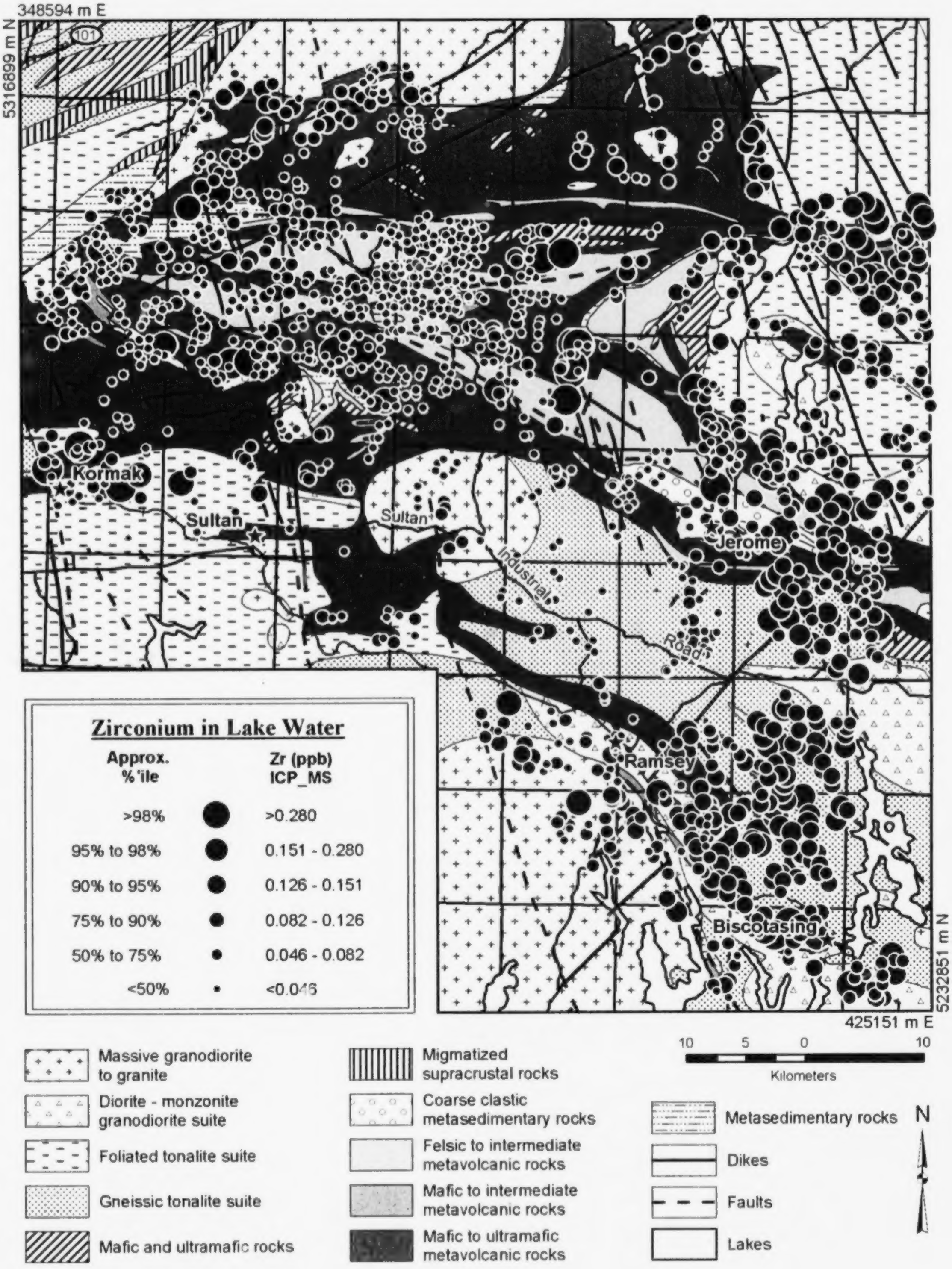
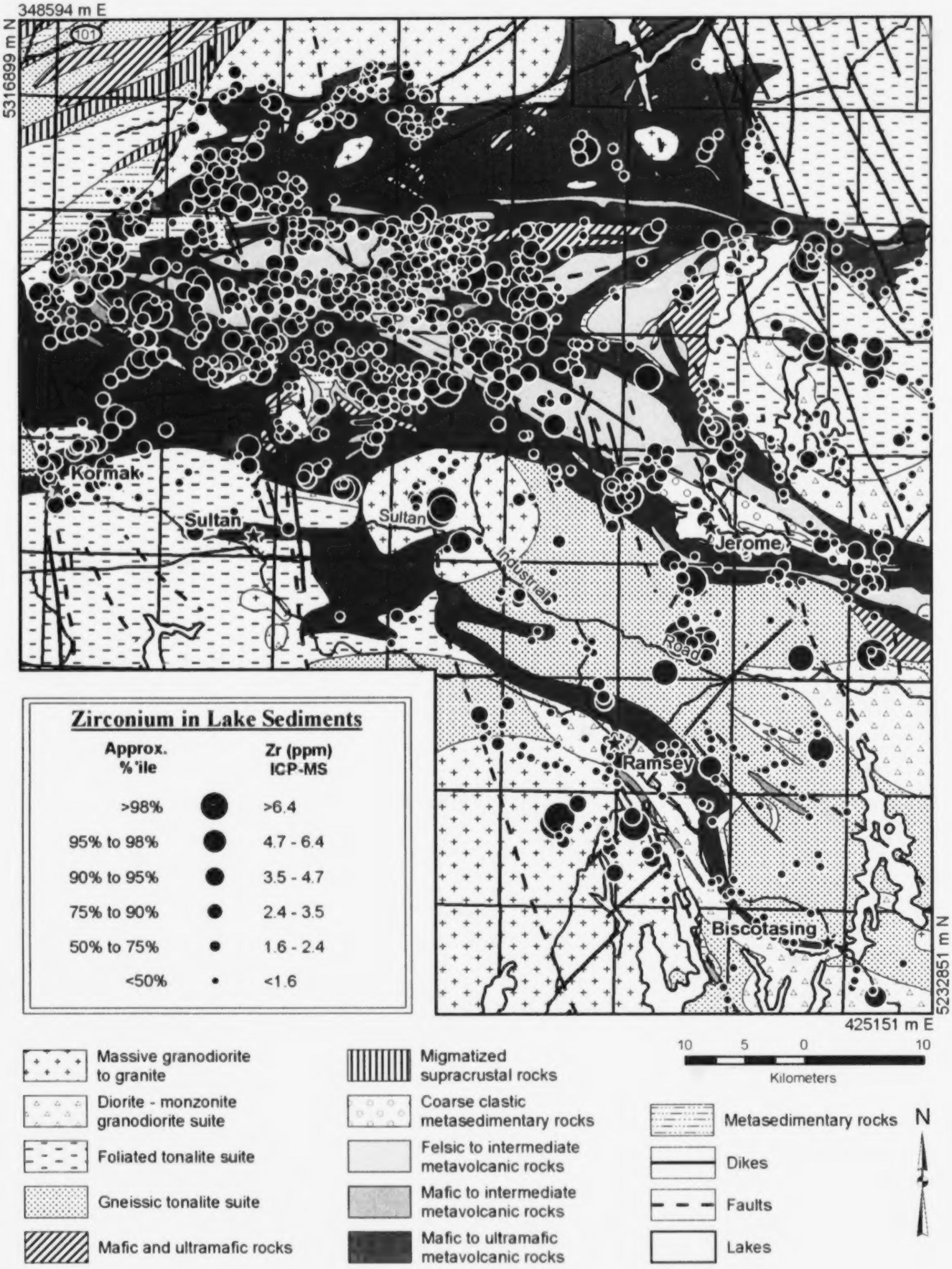
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Yttrium in Lake Sediments
Approx. %'ile
Y (ppm) ICP-MS
>98% >26.2
95% to 98% 20.8 - 26.2
90% to 95% 16.0 - 20.8
75% to 90% 10.9 - 16.0
50% to 75% 6.78 - 10.9
<50% <6.78
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Zinc in Lake Water
Approx. %'ile
Zn (ppb) ICP_MS
>98% >5.9
95% to 98% 4.2 - 5.9
90% to 95% 3.2 - 4.2
75% to 90% 1.9 - 3.2
50% to 75% 1.0 - 1.9
<50% <1.0
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Zinc in Lake Sediments
Approx. %'ile
Zn (ppm) ICP-MS
>98% ● >200
95% to 98% ● 125 - 200
90% to 95% ● 101 - 125
75% to 90% ● 79 - 101
50% to 75% ● 63 - 79
<50% • <63
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Zirconium in Lake Water
Approx. %'ile
Zr (ppb) ICP_MS
>98% >0.280
95% to 98% 0.151 - 0.280
90% to 95% 0.126 - 0.151
75% to 90% 0.082 - 0.126
50% to 75% 0.046 - 0.082
<50% <0.046
10 5 0 10
Kilometers
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes
N


348594 m E
5316899 m N
101
Kormak
Sultan
Sultan
Industrial
Road
Jerome
Ramsey
Biscotasing
5232851 m N
425151 m E
Zirconium in Lake Sediments
Approx. %'ile
Zr (ppm) ICP-MS
>98% >6.4
95% to 98% 4.7 - 6.4
90% to 95% 3.5 - 4.7
75% to 90% 2.4 - 3.5
50% to 75% 1.6 - 2.4
<50% <1.6
10 5 0 10
Kilometers
N
Massive granodiorite to granite
Diorite - monzonite granodiorite suite
Foliated tonalite suite
Gneissic tonalite suite
Mafic and ultramafic rocks
Migmatized supracrustal rocks
Coarse clastic metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic to ultramafic metavolcanic rocks
Metasedimentary rocks
Dikes
Faults
Lakes

# Appendix 3

# Lake Sediment Analytical Data for Loss-On-Ignition, Ag, Au, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, S, and Zn

Explanation:

| | |
|---|---|
| ICP-MS | inductively coupled plasma mass spectrometry |
| ICP-OES | inductively coupled plasma optical emission spectroscopy |
| INAA | instrumental neutron activation analysis |
| ND | not detected, below detection limit |
| INF | insufficient sample for analysis |
| NM | not measured, sample lost at lab |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units----------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0001 | 381682 | 5266147 | 55.5 | 0.08 | N.D. | 0.65 | 3.30 | 15.3 | 35.4 | 2991 | 37 | 1.00 | 19 | 3.3 | 3061 | 36 |
| 03-PAT-0002 | 397878 | 5256028 | 63.5 | 0.05 | N.D. | 0.65 | 2.55 | 14.1 | 14.0 | 4414 | 191 | 1.54 | 10 | 4.2 | 3438 | 57 |
| 03-PAT-0003 | 418821 | 5236567 | 25.7 | 0.10 | N.D. | 0.48 | 7.56 | 28.1 | 18.5 | 16500 | 198 | 0.81 | 19 | 4.8 | 1799 | 75 |
| 03-PAT-0004 | 422718 | 5237083 | 38.7 | 0.14 | N.D. | 0.56 | 5.21 | 34.0 | 27.2 | 10498 | 188 | 0.65 | 17 | 3.9 | 2140 | 51 |
| 03-PAT-0006 | 422000 | 5237181 | 60.9 | 0.12 | N.D. | 0.52 | 2.44 | 15.4 | 29.1 | 4828 | 69 | 1.36 | 13 | 2.6 | 3910 | 39 |
| 03-PAT-0007 | 421839 | 5237631 | 44.2 | 0.08 | N.D. | 0.40 | 2.00 | 15.9 | 18.1 | 3619 | 45 | 0.71 | 12 | 2.5 | 2455 | 30 |
| 03-PAT-0008 | 421072 | 5233982 | 39.8 | 0.14 | N.D. | 0.67 | 7.02 | 28.9 | 22.0 | 12430 | 255 | 1.08 | 17 | 8.3 | 2755 | 65 |
| 03-PAT-0010 | 420370 | 5234277 | 42.6 | 0.10 | N.D. | 0.54 | 15.7 | 26.4 | 60.3 | 17145 | 329 | 5.67 | 29 | 5.3 | 11471 | 64 |
| 03-PAT-0011 | 420158 | 5234793 | 15.7 | 0.05 | N.D. | 0.24 | 6.19 | 18.2 | 16.7 | 7813 | 139 | 1.41 | 13 | 2.3 | 2264 | 40 |
| 03-PAT-0013 | 422062 | 5235964 | 37.8 | 0.12 | N.D. | 0.48 | 3.45 | 18.9 | 26.6 | 3971 | 46 | 1.51 | 16 | 3.3 | 2986 | 40 |
| 03-PAT-0016 | 420970 | 5235873 | 33.3 | 0.12 | N.D. | 0.50 | 5.77 | 27.6 | 20.4 | 10359 | 145 | 0.70 | 17 | 5.1 | 2069 | 54 |
| 03-PAT-0017 | 420778 | 5236628 | 34.8 | 0.12 | N.D. | 0.48 | 4.34 | 27.6 | 22.6 | 9600 | 129 | 0.84 | 18 | 4.2 | 2256 | 54 |
| 03-PAT-0018 | 420917 | 5236931 | 29.0 | 0.10 | N.D. | 0.30 | 2.42 | 19.4 | 15.7 | 6149 | 75 | 0.58 | 12 | 3.5 | 1776 | 32 |
| 03-PAT-0019 | 418212 | 5233944 | 48.5 | 0.15 | N.D. | 0.47 | 4.05 | 17.9 | 38.6 | 8100 | 96 | 0.74 | 14 | 3.7 | 3141 | 48 |
| 03-PAT-0020 | 418433 | 5235040 | 25.2 | 0.06 | N.D. | 0.28 | 5.73 | 17.0 | 30.1 | 8772 | 214 | 1.54 | 16 | 3.4 | 3796 | 40 |
| 03-PAT-0021 | 418615 | 5235661 | 27.1 | 0.11 | N.D. | 0.61 | 12.16 | 34.8 | 23.5 | 24732 | 436 | 1.02 | 25 | 4.5 | 2146 | 103 |
| 03-PAT-0022 | 415250 | 5236523 | 62.2 | 0.24 | N.D. | 0.72 | 13.92 | 32.2 | 34.8 | 18888 | 536 | 2.08 | 17 | 15.3 | 4776 | 78 |
| 03-PAT-0023 | 415525 | 5239127 | 46.7 | 0.18 | N.D. | 0.37 | 2.02 | 14.7 | 27.2 | 6351 | 71 | 2.10 | 10 | 2.7 | 3040 | 33 |
| 03-PAT-0024 | 413538 | 5238853 | 38.7 | 0.11 | N.D. | 0.56 | 6.77 | 25.4 | 38.5 | 7386 | 139 | 2.24 | 22 | 2.6 | 5194 | 63 |
| 03-PAT-0026 | 414088 | 5239501 | 41.3 | 0.18 | N.D. | 0.58 | 6.06 | 23.4 | 22.2 | 11667 | 158 | 1.08 | 18 | 10.4 | 2742 | 51 |
| 03-PAT-0027 | 380350 | 5266450 | 51.0 | 0.09 | N.D. | 0.55 | 3.58 | 12.8 | 74.0 | 2294 | 30 | 1.12 | 23 | 6.7 | 5099 | 47 |
| 03-PAT-0028 | 363377 | 5273562 | 48.1 | 0.07 | 2 | 0.62 | 1.68 | 16.5 | 32.4 | 5291 | 47 | 5.38 | 10 | 2.3 | 9378 | 68 |
| 03-PAT-0029 | 356968 | 5277431 | 45.0 | 0.09 | N.D. | 0.73 | 5.32 | 23.6 | 26.1 | 6424 | 169 | 1.60 | 17 | 3.3 | 3556 | 79 |
| 03-PAT-0030 | 355112 | 5276495 | 49.7 | 0.11 | N.D. | 0.53 | 4.65 | 16.8 | 44.4 | 3698 | 23 | 1.65 | 28 | 2.5 | 6208 | 52 |
| 03-PAT-0031 | 355325 | 5277687 | 74.1 | 0.09 | N.D. | 0.47 | 5.84 | 19.3 | 35.5 | 12366 | 148 | 1.75 | 23 | 1.9 | 5592 | 66 |
| 03-PAT-0032 | 355625 | 5277719 | 67.7 | 0.08 | N.D. | 0.43 | 3.55 | 11.8 | 32.5 | 2567 | 47 | 1.99 | 21 | 1.9 | 6225 | 48 |
| 03-PAT-0033 | 355821 | 5279152 | 53.8 | 0.06 | N.D. | 0.57 | 3.52 | 13.8 | 27.3 | 4631 | 71 | 3.22 | 26 | 3 | 7608 | 62 |
| 03-PAT-0034 | 356227 | 5279784 | 52.0 | 0.10 | N.D. | 1.30 | 2.41 | 8.6 | 46.9 | 1517 | 46 | 1.87 | 20 | 4.1 | 4854 | 145 |
| 03-PAT-0036 | 354030 | 5278652 | 64.5 | 0.07 | N.D. | 0.57 | 2.30 | 12.4 | 33.2 | 2121 | 46 | 3.09 | 13 | 2.2 | 7863 | 64 |
| 03-PAT-0037 | 354602 | 5277390 | 67.6 | 0.07 | N.D. | 0.50 | 3.36 | 11.7 | 21.5 | 3289 | 59 | 2.44 | 13 | 3.3 | 6669 | 58 |
| 03-PAT-0038 | 353449 | 5276706 | 82.6 | N.D. | N.D. | 0.72 | 0.97 | 6.7 | 12.3 | 1374 | 29 | 3.88 | 7 | 1.7 | 9747 | 76 |
| 03-PAT-0039 | 352893 | 5276167 | 56.5 | 0.06 | N.D. | 0.53 | 3.27 | 18.2 | 21.3 | 6650 | 122 | 1.24 | 15 | 4 | 4818 | 72 |
| 03-PAT-0040 | 351653 | 5275903 | 30.5 | 0.06 | N.D. | 0.35 | 5.79 | 51.8 | 23.0 | 13603 | 273 | 2.05 | 21 | 4.5 | 5266 | 50 |
| 03-PAT-0041 | 352509 | 5277151 | 71.0 | 0.06 | N.D. | 0.54 | 3.38 | 17.4 | 16.3 | 3842 | 53 | 1.51 | 13 | 3.3 | 2861 | 34 |
| 03-PAT-0043 | 351144 | 5277979 | 44.5 | 0.05 | N.D. | 0.45 | 4.41 | 41.6 | 21.0 | 8996 | 137 | 1.82 | 16 | 4.9 | 7439 | 40 |
| 03-PAT-0044 | 351126 | 5278318 | 79.6 | N.D. | N.D. | 0.24 | 0.46 | 5.7 | 8.1 | 1524 | 39 | 3.89 | 4 | 0.9 | 11616 | 34 |
| 03-PAT-0046 | 350779 | 5279012 | 43.9 | 0.06 | N.D. | 0.35 | 4.67 | 40.7 | 19.9 | 12515 | 349 | 1.56 | 18 | 4 | 5480 | 46 |
| 03-PAT-0047 | 350543 | 5279528 | 42.4 | 0.08 | N.D. | 0.32 | 4.43 | 26.5 | 29.2 | 18408 | 308 | 2.48 | 17 | 3.5 | 7621 | 59 |
| 03-PAT-0048 | 351454 | 5279563 | 64.5 | 0.06 | N.D. | 0.71 | 3.03 | 17.5 | 16.2 | 6666 | 118 | 2.33 | 11 | 3.3 | 7653 | 88 |
| 03-PAT-0049 | 350433 | 5280809 | 66.6 | 0.08 | N.D. | 0.53 | 3.06 | 16.3 | 17.3 | 2490 | 63 | 0.81 | 13 | 2.7 | 2547 | 53 |
| 03-PAT-0050 | 351154 | 5281778 | 21.1 | 0.06 | N.D. | 0.24 | 6.98 | 23.3 | 25.9 | 12421 | 173 | 0.60 | 20 | 2.7 | 1455 | 53 |
| 03-PAT-0051 | 353899 | 5282870 | 66.9 | N.D. | N.D. | 0.33 | 1.08 | 7.9 | 15.9 | 2213 | 33 | 3.67 | 6 | 1.6 | 10925 | 38 |
| 03-PAT-0052 | 353548 | 5280910 | 42.8 | 0.06 | N.D. | 0.33 | 3.69 | 24.6 | 25.3 | 16442 | 246 | 2.30 | 14 | 5.2 | 7620 | 41 |
| 03-PAT-0053 | 353300 | 5280728 | 36.4 | 0.04 | N.D. | 0.33 | 3.89 | 24.2 | 22.2 | 7528 | 89 | 2.81 | 15 | 3.1 | 7265 | 49 |
| 03-PAT-0054 | 353243 | 5280371 | 42.1 | 0.06 | N.D. | 0.56 | 6.37 | 68.3 | 66.2 | 17856 | 90 | 8.45 | 21 | 3.9 | 20672 | 60 |
| 03-PAT-0056 | 354279 | 5280759 | 15.6 | N.D. | N.D. | 0.20 | 3.94 | 21.8 | 12.5 | 8330 | 67 | 0.47 | 16 | 4.3 | 1562 | 40 |
| 03-PAT-0057 | 354621 | 5280922 | 45.5 | N.D. | N.D. | 0.29 | 2.47 | 16.9 | 15.6 | 6390 | 73 | 4.86 | 9 | 3.1 | 10956 | 33 |
| 03-PAT-0058 | 355207 | 5281052 | 60.8 | 0.37 | N.D. | 0.36 | 2.94 | 20.1 | 33.6 | 10073 | 74 | 25.51 | 20 | 2.1 | 17899 | 48 |
| 03-PAT-0059 | 358530 | 5278439 | 78.5 | 0.04 | N.D. | 0.55 | 2.46 | 11.5 | 18.3 | 3592 | 36 | 2.33 | 11 | 2.2 | 5632 | 75 |
| 03-PAT-0060 | 358620 | 5276458 | 64.5 | 0.11 | N.D. | 0.87 | 2.14 | 9.3 | 32.5 | 2572 | 51 | 1.87 | 16 | 1.8 | 4272 | 100 |
| 03-PAT-0061 | 398500 | 5256350 | 70.8 | N.D. | N.D. | 0.35 | 1.23 | 6.6 | 12.3 | 3954 | 93 | 4.27 | 5 | 2.8 | 4816 | 56 |
| 03-PAT-0062 | 398999 | 5256250 | 59.9 | 0.05 | N.D. | 0.41 | 1.31 | 12.9 | 20.0 | 4265 | 59 | 3.52 | 6 | 4.3 | 8276 | 49 |
| 03-PAT-0063 | 399450 | 5255550 | 14.5 | N.D. | N.D. | 0.20 | 2.12 | 15.6 | 7.1 | 4339 | 53 | 0.24 | 10 | 3.6 | 1172 | 39 |
| 03-PAT-0064 | 408550 | 5244200 | 22.4 | 0.10 | N.D. | 0.33 | 4.71 | 27.0 | 18.3 | 9146 | 82 | 0.47 | 21 | 3.8 | 1206 | 75 |
| 03-PAT-0066 | 409150 | 5243100 | 42.5 | 0.20 | N.D. | 0.54 | 5.67 | 31.4 | 24.9 | 9421 | 116 | 0.71 | 18 | 3.9 | 2178 | 55 |
| 03-PAT-0067 | 414150 | 5240050 | 25.1 | 0.07 | N.D. | 0.35 | 5.68 | 22.4 | 14.0 | 8849 | 118 | 0.55 | 15 | 3.6 | 1468 | 43 |
| 03-PAT-0068 | 412850 | 5238950 | 89.7 | 0.08 | N.D. | 0.39 | 1.45 | 8.8 | 30.1 | 2815 | 155 | 0.94 | 9 | 1.3 | 3652 | 4 |
| 03-PAT-0069 | 413050 | 5239650 | 44.7 | 0.17 | N.D. | 0.79 | 9.62 | 30.6 | 32.1 | 13809 | 287 | 1.63 | 19 | 4.8 | 2984 | 79 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0070 | 413200 | 5240350 | 38.9 | 0.14 | N.D. | 0.62 | 7.69 | 24.6 | 22.4 | 13560 | 238 | 1.14 | 16 | 5.3 | 2496 | 66 |
| 03-PAT-0071 | 411875 | 5239350 | 44.2 | 0.07 | N.D. | 0.34 | 2.37 | 21.0 | 33.0 | 8274 | 60 | 4.84 | 19 | 3.1 | 6698 | 53 |
| 03-PAT-0072 | 411100 | 5239650 | 51.8 | 0.12 | N.D. | 0.67 | 4.93 | 20.7 | 38.5 | 8455 | 110 | 5.14 | 20 | 8.1 | 6157 | 71 |
| 03-PAT-0073 | 410600 | 5239450 | 50.6 | 0.08 | N.D. | 0.53 | 4.39 | 18.8 | 21.9 | 8391 | 94 | 2.83 | 12 | 3.9 | 5198 | 64 |
| 03-PAT-0074 | 410000 | 5239650 | 78.3 | 0.16 | N.D. | 0.72 | 1.46 | 10.4 | 29.3 | 4514 | 103 | 1.48 | 12 | 2.9 | 4434 | 77 |
| 03-PAT-0076 | 410450 | 5240650 | 51.9 | 0.16 | N.D. | 0.50 | 11.39 | 22.4 | 31.9 | 28236 | 582 | 6.32 | 25 | 4.3 | 6222 | 92 |
| 03-PAT-0077 | 411050 | 5241050 | 48.8 | 0.13 | N.D. | 0.48 | 3.16 | 18.2 | 28.7 | 4182 | 61 | 1.79 | 21 | 5.2 | 3123 | 33 |
| 03-PAT-0078 | 409400 | 5241900 | 36.8 | 0.10 | N.D. | 0.60 | 4.62 | 24.2 | 22.7 | 6759 | 66 | 1.00 | 22 | 2.8 | 2036 | 75 |
| 03-PAT-0079 | 409000 | 5241800 | 41.6 | 0.15 | N.D. | 0.72 | 6.77 | 25.6 | 25.2 | 8391 | 160 | 0.92 | 21 | 6.3 | 2595 | 52 |
| 03-PAT-0080 | 408500 | 5242175 | 50.8 | 0.24 | N.D. | 0.62 | 11.13 | 27.4 | 36.6 | 18080 | 400 | 1.84 | 22 | 6.8 | 3213 | 65 |
| 03-PAT-0081 | 407900 | 5242825 | 45.0 | 0.17 | N.D. | 0.76 | 10.18 | 29.0 | 31.9 | 12666 | 257 | 0.94 | 25 | 4.7 | 2540 | 66 |
| 03-PAT-0082 | 407150 | 5243150 | 56.8 | 0.32 | N.D. | 0.51 | 4.82 | 25.5 | 43.6 | 13388 | 201 | 2.12 | 19 | 6.6 | 3731 | 59 |
| 03-PAT-0083 | 406550 | 5243275 | 50.8 | 0.19 | N.D. | 0.55 | 3.65 | 20.5 | 36.4 | 10658 | 143 | 1.98 | 20 | 5.4 | 3307 | 70 |
| 03-PAT-0084 | 406675 | 5244000 | 53.0 | 0.23 | N.D. | 0.59 | 8.07 | 35.1 | 43.8 | 13239 | 348 | 0.85 | 28 | 7.4 | 3441 | 62 |
| 03-PAT-0086 | 407225 | 5244150 | 52.3 | 0.15 | N.D. | 0.68 | 5.99 | 30.0 | 44.9 | 8202 | 184 | 2.04 | 25 | 4.3 | 5213 | 96 |
| 03-PAT-0087 | 408000 | 5243750 | 40.5 | 0.14 | N.D. | 0.69 | 8.44 | 33.3 | 30.6 | 14551 | 249 | 1.68 | 27 | 6.7 | 2786 | 76 |
| 03-PAT-0088 | 408300 | 5243125 | 40.5 | 0.14 | N.D. | 0.66 | 8.76 | 33.3 | 31.6 | 15966 | 260 | 1.70 | 28 | 6.4 | 2842 | 78 |
| 03-PAT-0089 | 409125 | 5246550 | 51.4 | 0.15 | N.D. | 0.51 | 1.92 | 15.5 | 25.8 | 6120 | 57 | 0.89 | 15 | 1.9 | 2711 | 54 |
| 03-PAT-0090 | 410575 | 5248100 | 50.1 | 0.27 | N.D. | 0.46 | 1.91 | 16.5 | 30.8 | 7048 | 78 | 1.21 | 9 | 3.5 | 3130 | 48 |
| 03-PAT-0091 | 410075 | 5247350 | 61.3 | 0.22 | N.D. | 0.82 | 1.26 | 15.1 | 33.1 | 6084 | 125 | 1.69 | 9 | 3 | 4012 | 55 |
| 03-PAT-0092 | 410250 | 5247050 | 69.7 | 0.29 | N.D. | 0.75 | 2.37 | 14.9 | 47.1 | 7326 | 121 | 1.79 | 10 | 3.2 | 4862 | 81 |
| 03-PAT-0093 | 410650 | 5247000 | 67.4 | 0.26 | N.D. | 0.81 | 1.73 | 11.4 | 53.7 | 7349 | 125 | 2.47 | 10 | 2.3 | 4751 | 108 |
| 03-PAT-0094 | 407525 | 5249200 | 51.2 | 0.16 | N.D. | 0.51 | 2.49 | 24.8 | 28.2 | 7416 | 75 | 0.73 | 18 | 3.5 | 2680 | 44 |
| 03-PAT-0096 | 407850 | 5247850 | 54.4 | 0.18 | N.D. | 0.47 | 3.07 | 20.6 | 28.2 | 14038 | 107 | 1.59 | 15 | 3.2 | 2770 | 38 |
| 03-PAT-0097 | 408250 | 5249600 | 44.4 | 0.25 | N.D. | 0.47 | 2.85 | 21.9 | 37.8 | 5985 | 84 | 0.74 | 12 | 3.5 | 2507 | 38 |
| 03-PAT-0098 | 408850 | 5249675 | 47.2 | 0.29 | N.D. | 0.37 | 2.97 | 21.9 | 35.2 | 9435 | 118 | 0.99 | 12 | 4.2 | 2961 | 39 |
| 03-PAT-0099 | 409350 | 5250300 | 47.1 | 0.21 | N.D. | 0.45 | 2.76 | 17.3 | 37.4 | 5290 | 68 | 0.81 | 11 | 2.7 | 2792 | 37 |
| 03-PAT-0100 | 368592 | 5276828 | 40.4 | 0.08 | N.D. | 0.36 | 3.72 | 18.9 | 31.2 | 4065 | 71 | 1.03 | 15 | 2.8 | 3362 | 46 |
| 03-PAT-0101 | 367906 | 5279185 | 61.9 | 0.04 | N.D. | 0.55 | 2.65 | 8.4 | 35.8 | 2153 | 43 | 1.77 | 12 | 1.6 | 4682 | 50 |
| 03-PAT-0102 | 367885 | 5280759 | 64.5 | 0.05 | N.D. | 0.60 | 3.14 | 12.5 | 34.0 | 3801 | 50 | 1.63 | 15 | 2.7 | 4818 | 73 |
| 03-PAT-0103 | 364914 | 5288082 | 47.6 | 0.14 | N.D. | 0.97 | 8.79 | 48.0 | 44.8 | 18406 | 405 | 1.64 | 25 | 5.7 | 5746 | 129 |
| 03-PAT-0104 | 366371 | 5287898 | 43.7 | 0.13 | 5 | 0.87 | 13.87 | 71.6 | 39.6 | 34444 | 463 | 1.10 | 40 | 6.4 | 4951 | 154 |
| 03-PAT-0106 | 367849 | 5288043 | 45.0 | 0.14 | N.D. | 0.79 | 9.18 | 44.0 | 26.0 | 36122 | 780 | 1.20 | 20 | 24.3 | 4412 | 115 |
| 03-PAT-0107 | 369737 | 5288340 | 37.3 | 0.11 | N.D. | 0.82 | 11.72 | 53.2 | 28.1 | 25502 | 422 | 0.78 | 24 | 6 | 3312 | 126 |
| 03-PAT-0108 | 354545 | 5300358 | 46.1 | 0.08 | N.D. | 0.62 | 5.85 | 37.5 | 20.8 | 17473 | 485 | 1.10 | 18 | 5.3 | 3592 | 99 |
| 03-PAT-0109 | 356187 | 5302267 | 48.8 | 0.04 | N.D. | 0.39 | 2.70 | 11.3 | 29.8 | 2417 | 23 | 1.40 | 27 | 1.4 | 4847 | 49 |
| 03-PAT-0111 | 357471 | 5302543 | 45.9 | 0.05 | N.D. | 0.23 | 1.95 | 9.2 | 28.7 | 1980 | 18 | 1.29 | 27 | 2 | 6076 | 36 |
| 03-PAT-0112 | 358106 | 5302514 | 56.9 | 0.11 | N.D. | 0.54 | 7.05 | 23.0 | 60.1 | 7439 | 90 | 1.33 | 38 | 4 | 7908 | 71 |
| 03-PAT-0113 | 362755 | 5301073 | 34.9 | 0.07 | N.D. | 0.55 | 5.32 | 35.0 | 20.7 | 13278 | 378 | 1.03 | 20 | 10.7 | 3410 | 75 |
| 03-PAT-0114 | 363851 | 5302781 | 14.9 | 0.06 | N.D. | 0.25 | 5.50 | 34.3 | 18.4 | 13804 | 225 | 0.71 | 22 | 5 | 1216 | 54 |
| 03-PAT-0116 | 364044 | 5301904 | 30.9 | 0.15 | N.D. | 2.34 | 7.73 | 29.6 | 28.0 | 31683 | 3560 | 1.53 | 26 | 67 | 7829 | 151 |
| 03-PAT-0117 | 365058 | 5302423 | 14.7 | 0.06 | N.D. | 0.29 | 6.74 | 31.2 | 18.8 | 26675 | 3177 | 0.54 | 23 | 5.2 | 1053 | 55 |
| 03-PAT-0118 | 367021 | 5302390 | 48.2 | 0.07 | N.D. | 0.56 | 4.64 | 22.7 | 35.6 | 8497 | 203 | 0.67 | 19 | 3.9 | 4035 | 78 |
| 03-PAT-0119 | 367876 | 5302222 | 40.9 | 0.06 | N.D. | 0.48 | 4.24 | 21.0 | 30.7 | 8158 | 211 | 0.49 | 16 | 3.6 | 3342 | 63 |
| 03-PAT-0120 | 369465 | 5302313 | 26.5 | 0.06 | N.D. | 0.36 | 4.22 | 23.2 | 19.4 | 10380 | 273 | 0.49 | 14 | 4.7 | 1878 | 53 |
| 03-PAT-0121 | 370162 | 5302188 | 22.6 | 0.06 | 4 | 0.40 | 5.24 | 26.1 | 19.9 | 12039 | 287 | 0.39 | 17 | 5.4 | 1708 | 59 |
| 03-PAT-0122 | 371140 | 5301779 | 21.9 | 0.06 | N.D. | 0.27 | 3.73 | 20.4 | 20.1 | 8408 | 176 | 0.37 | 13 | 3.4 | 1606 | 38 |
| 03-PAT-0123 | 370793 | 5300919 | 36.0 | 0.10 | N.D. | 0.45 | 5.30 | 29.2 | 31.0 | 13872 | 288 | 0.78 | 20 | 6.9 | 2715 | 77 |
| 03-PAT-0124 | 372035 | 5301393 | 49.8 | 0.10 | N.D. | 0.41 | 5.01 | 20.5 | 57.0 | 9207 | 249 | 1.44 | 18 | 5.2 | 7677 | 57 |
| 03-PAT-0126 | 372803 | 5300586 | 55.2 | 0.06 | N.D. | 0.52 | 2.06 | 8.9 | 33.6 | 1568 | 25 | 1.41 | 15 | 1.5 | 4299 | 52 |
| 03-PAT-0127 | 374786 | 5299452 | 61.1 | 0.18 | N.D. | 1.24 | 4.24 | 15.8 | 82.1 | 12588 | 197 | 3.01 | 17 | 29 | 15214 | 101 |
| 03-PAT-0128 | 376359 | 5299375 | 61.6 | 0.06 | N.D. | 0.43 | 2.25 | 8.9 | 37.2 | 2090 | 25 | 2.04 | 8 | 1.8 | 7314 | 49 |
| 03-PAT-0129 | 377539 | 5298693 | 54.7 | 0.05 | N.D. | 0.34 | 2.72 | 17.8 | 22.0 | 7725 | 145 | 1.11 | 14 | 5.5 | 5244 | 57 |
| 03-PAT-0130 | 378974 | 5299224 | 61.0 | 0.05 | 2 | 0.31 | 0.95 | 5.4 | 29.9 | 1235 | 24 | 2.55 | 6 | 4.4 | 9061 | 41 |
| 03-PAT-0131 | 380057 | 5299438 | 59.5 | 0.06 | 4 | 0.29 | 2.13 | 7.2 | 51.0 | 2198 | 27 | 1.79 | 11 | 1.2 | 8849 | 41 |
| 03-PAT-0132 | 381979 | 5299135 | 67.7 | 0.28 | 4 | 1.07 | 6.33 | 27.9 | 184 | 11398 | 770 | 9.37 | 21 | 6.4 | 17901 | 94 |
| 03-PAT-0133 | 382528 | 5299402 | 52.9 | 0.12 | N.D. | 0.44 | 3.52 | 19.1 | 44.8 | 10942 | 516 | 2.34 | 11 | 7.1 | 9436 | 54 |
| 03-PAT-0136 | 382232 | 5297985 | 82.6 | 0.07 | N.D. | 0.52 | 3.82 | 26.2 | 56.5 | 23358 | 89 | 3.35 | 13 | 7.2 | 21890 | 68 |
| 03-PAT-0137 | 382549 | 5297920 | 73.4 | 0.06 | N.D. | 0.29 | 2.53 | 14.5 | 26.7 | 10177 | 113 | 2.01 | 9 | 2.3 | 9486 | 55 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units----------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0138 | 382842 | 5297824 | 64.4 | 0.10 | N.D. | 0.44 | 2.93 | 15.9 | 40.2 | 13783 | 247 | 3.52 | 9 | 8.3 | 13517 | 56 |
| 03-PAT-0139 | 383342 | 5298012 | 51.2 | 0.07 | N.D. | 0.47 | 3.16 | 13.5 | 23.9 | 6172 | 136 | 1.67 | 10 | 5.2 | 5652 | 71 |
| 03-PAT-0140 | 383665 | 5297988 | 73.3 | 0.07 | N.D. | 0.39 | 2.59 | 12.0 | 18.4 | 6998 | 222 | 2.10 | 8 | 5.9 | 6994 | 54 |
| 03-PAT-0141 | 383448 | 5298637 | 55.2 | 0.14 | N.D. | 0.55 | 4.40 | 29.0 | 50.3 | 12783 | 64 | 1.68 | 17 | 4.6 | 10063 | 64 |
| 03-PAT-0142 | 383710 | 5298275 | 67.3 | 0.09 | N.D. | 0.54 | 3.75 | 22.5 | 32.1 | 14554 | 62 | 10.53 | 15 | 5.8 | 15441 | 66 |
| 03-PAT-0143 | 384450 | 5298733 | 58.1 | 0.06 | N.D. | 0.29 | 1.78 | 14.2 | 21.1 | 9017 | 60 | 2.40 | 10 | 2.9 | 8309 | 48 |
| 03-PAT-0144 | 384623 | 5298394 | 71.5 | 0.05 | N.D. | 0.40 | 2.02 | 8.8 | 21.8 | 2285 | 75 | 0.92 | 7 | 3 | 7433 | 67 |
| 03-PAT-0146 | 384812 | 5298181 | 69.9 | 0.13 | N.D. | 0.64 | 4.95 | 13.1 | 36.4 | 7996 | 110 | 1.18 | 12 | 4.4 | 8989 | 78 |
| 03-PAT-0147 | 384912 | 5298221 | 76.3 | 0.06 | N.D. | 0.47 | 1.57 | 7.4 | 17.1 | 2791 | 61 | 0.73 | 6 | 1.6 | 7255 | 53 |
| 03-PAT-0148 | 385314 | 5297483 | 46.7 | 0.13 | N.D. | 0.79 | 6.15 | 30.0 | 36.8 | 9620 | 340 | 1.01 | 16 | 13.8 | 5466 | 77 |
| 03-PAT-0149 | 385938 | 5297708 | 50.4 | 0.06 | N.D. | 0.31 | 2.53 | 17.7 | 22.7 | 5575 | 51 | 1.67 | 13 | 2.9 | 7522 | 41 |
| 03-PAT-0150 | 381397 | 5297471 | 54.4 | 0.13 | N.D. | 0.77 | 5.02 | 13.5 | 52.4 | 16189 | 87 | 11.47 | 13 | 16.8 | 21024 | 74 |
| 03-PAT-0152 | 382942 | 5297247 | 83.8 | 0.08 | N.D. | 0.34 | 2.34 | 13.3 | 40.9 | 5819 | 62 | 3.71 | 10 | 3.2 | 13752 | 47 |
| 03-PAT-0153 | 383915 | 5297447 | 66.1 | 0.10 | N.D. | 0.38 | 3.64 | 11.2 | 78.4 | 2823 | 33 | 1.97 | 12 | 3.5 | 8413 | 48 |
| 03-PAT-0154 | 384357 | 5297310 | 74.4 | 0.06 | N.D. | 0.72 | 3.42 | 12.9 | 15.9 | 2740 | 50 | 0.64 | 9 | 13.6 | 3630 | 61 |
| 03-PAT-0157 | 385072 | 5296489 | 54.0 | 0.13 | N.D. | 0.65 | 6.75 | 33.1 | 57.1 | 25212 | 1348 | 1.36 | 27 | 6.6 | 10286 | 92 |
| 03-PAT-0158 | 385745 | 5296416 | 53.5 | 0.14 | N.D. | 0.56 | 5.01 | 33.1 | 36.7 | 9642 | 323 | 1.04 | 17 | 4.8 | 6208 | 70 |
| 03-PAT-0159 | 386130 | 5296109 | 57.8 | 0.07 | N.D. | 0.37 | 2.43 | 23.7 | 29.7 | 12025 | 68 | 1.87 | 16 | 3 | 8343 | 52 |
| 03-PAT-0160 | 382159 | 5291619 | 85.9 | 0.08 | 3 | 0.56 | 1.40 | 27.5 | 49.5 | 1507 | 34 | 4.94 | 8 | 2.1 | 12546 | 67 |
| 03-PAT-0161 | 381834 | 5291417 | 83.5 | 0.05 | N.D. | 0.89 | 1.03 | 8.5 | 9.4 | 1463 | 143 | 0.64 | 5 | 2.9 | 2088 | 133 |
| 03-PAT-0162 | 399000 | 5254350 | 48.5 | 0.08 | N.D. | 0.39 | 2.92 | 21.2 | 29.7 | 6596 | 104 | 1.88 | 17 | 4.7 | 6266 | 42 |
| 03-PAT-0163 | 398659 | 5255008 | 50.2 | 0.15 | N.D. | 0.63 | 6.47 | 28.0 | 51.2 | 10154 | 253 | 2.85 | 17 | 4.6 | 5892 | 81 |
| 03-PAT-0164 | 398478 | 5255254 | 36.9 | 0.11 | N.D. | 0.31 | 4.92 | 28.7 | 38.7 | 135159 | 3223 | 3.20 | 23 | 2 | 7604 | 56 |
| 03-PAT-0166 | 398523 | 5255790 | 75.2 | 0.08 | N.D. | 0.75 | 1.75 | 13.3 | 12.6 | 2680 | 74 | 0.83 | 7 | 4.7 | 3600 | 77 |
| 03-PAT-0167 | 407988 | 5234054 | 53.4 | 0.15 | N.D. | 0.54 | 4.29 | 21.8 | 27.8 | 5632 | 71 | 2.24 | 13 | 29.4 | 5430 | 53 |
| 03-PAT-0168 | 407665 | 5235113 | 45.3 | 0.11 | N.D. | 0.47 | 4.39 | 21.3 | 30.7 | 4959 | 58 | 1.86 | 17 | 7.5 | 4079 | 50 |
| 03-PAT-0169 | 408005 | 5235437 | 54.9 | 0.20 | N.D. | 0.67 | 5.23 | 22.7 | 46.4 | 14669 | 149 | 2.67 | 15 | 8.8 | 4801 | 59 |
| 03-PAT-0170 | 408509 | 5236751 | 62.1 | 0.23 | N.D. | 0.82 | 1.31 | 10.3 | 51.3 | 5747 | 68 | 4.93 | 9 | 3.1 | 3687 | 79 |
| 03-PAT-0171 | 408783 | 5237593 | 65.6 | 0.20 | N.D. | 0.77 | 3.35 | 14.4 | 52.3 | 7794 | 124 | 5.78 | 11 | 4.5 | 5034 | 98 |
| 03-PAT-0174 | 406975 | 5234581 | 54.8 | 0.18 | N.D. | 0.61 | 3.54 | 20.8 | 31.7 | 6145 | 114 | 3.71 | 16 | 8.6 | 3799 | 64 |
| 03-PAT-0176 | 406700 | 5235098 | 57.2 | 0.13 | N.D. | 0.63 | 3.22 | 20.9 | 25.1 | 9316 | 113 | 2.77 | 16 | 7.1 | 3843 | 59 |
| 03-PAT-0177 | 403627 | 5241288 | 52.2 | 0.23 | N.D. | 0.57 | 3.68 | 21.6 | 39.1 | 8326 | 83 | 3.06 | 16 | 5.4 | 4120 | 67 |
| 03-PAT-0178 | 402821 | 5242447 | 46.4 | 0.09 | N.D. | 0.62 | 7.28 | 27.3 | 25.0 | 10330 | 228 | 2.26 | 15 | 5.1 | 3849 | 71 |
| 03-PAT-0179 | 402904 | 5244554 | 45.0 | 0.15 | N.D. | 0.85 | 7.83 | 38.0 | 43.7 | 7137 | 290 | 1.84 | 19 | 6.6 | 3445 | 98 |
| 03-PAT-0180 | 401677 | 5245982 | 59.2 | 0.05 | N.D. | 0.78 | 4.29 | 21.0 | 17.7 | 9109 | 193 | 1.89 | 14 | 3 | 4942 | 66 |
| 03-PAT-0181 | 401976 | 5246810 | 42.2 | 0.04 | N.D. | 0.62 | 4.30 | 19.0 | 14.0 | 8912 | 214 | 1.29 | 13 | 3.5 | 3484 | 57 |
| 03-PAT-0182 | 401310 | 5246434 | 42.5 | 0.05 | N.D. | 0.40 | 2.34 | 35.2 | 39.9 | 7156 | 43 | 7.38 | 11 | 2.5 | 10045 | 44 |
| 03-PAT-0183 | 398502 | 5244782 | 47.9 | 0.08 | N.D. | 0.73 | 7.87 | 27.5 | 45.1 | 11602 | 510 | 3.61 | 22 | 6 | 6138 | 81 |
| 03-PAT-0184 | 398455 | 5246278 | 24.0 | 0.08 | N.D. | 0.53 | 7.12 | 33.5 | 14.9 | 16822 | 388 | 0.64 | 20 | 5.3 | 1515 | 81 |
| 03-PAT-0186 | 398032 | 5246784 | 13.7 | 0.09 | N.D. | 0.47 | 8.05 | 30.2 | 12.1 | 16315 | 315 | 0.39 | 17 | 3.6 | 829 | 75 |
| 03-PAT-0187 | 397921 | 5247585 | 26.8 | 0.09 | N.D. | 0.54 | 7.15 | 28.3 | 14.7 | 18411 | 470 | 0.75 | 16 | 8.3 | 1713 | 79 |
| 03-PAT-0188 | 397762 | 5248125 | 17.9 | 0.05 | N.D. | 0.50 | 6.23 | 21.8 | 12.8 | 8682 | 377 | 0.69 | 13 | 3.3 | 1624 | 65 |
| 03-PAT-0189 | 397648 | 5249253 | 19.4 | 0.05 | N.D. | 0.39 | 4.40 | 23.9 | 10.8 | 10151 | 216 | 0.47 | 14 | 4.3 | 1231 | 49 |
| 03-PAT-0190 | 396584 | 5245258 | 41.5 | 0.17 | N.D. | 0.53 | 4.94 | 21.3 | 24.1 | 9839 | 220 | 1.69 | 14 | 5.7 | 2639 | 64 |
| 03-PAT-0192 | 396265 | 5248769 | 9.2 | N.D. | N.D. | 0.15 | 3.06 | 12.0 | 9.3 | 5517 | 173 | 0.39 | 8 | 2 | 1514 | 18 |
| 03-PAT-0193 | 394195 | 5247383 | 73.2 | 0.08 | N.D. | 0.70 | 2.81 | 12.9 | 12.2 | 4596 | 66 | 1.50 | 8 | 5.6 | 3193 | 54 |
| 03-PAT-0194 | 393833 | 5247934 | 69.2 | 0.10 | N.D. | 0.56 | 2.70 | 18.7 | 31.3 | 2180 | 31 | 2.27 | 15 | 3.2 | 3771 | 84 |
| 03-PAT-0196 | 393579 | 5248936 | 30.3 | 0.25 | N.D. | 0.29 | 14.37 | 43.5 | 66.3 | >135000 | 369 | 2.60 | 39 | 5.7 | 2500 | 69 |
| 03-PAT-0197 | 393925 | 5249443 | 30.6 | 0.37 | N.D. | 0.65 | 14.45 | 45.9 | 109 | 97971 | 965 | 2.89 | 36 | 6.3 | 2390 | 106 |
| 03-PAT-0198 | 394667 | 5248397 | 53.6 | 0.11 | N.D. | 0.59 | 2.57 | 19.7 | 21.2 | 4259 | 77 | 1.21 | 12 | 5.1 | 3444 | 72 |
| 03-PAT-0199 | 394451 | 5248591 | 60.5 | 0.09 | N.D. | 0.26 | 1.46 | 15.6 | 15.3 | 1422 | 21 | 0.75 | 11 | 5.1 | 2553 | 19 |
| 03-PAT-0200 | 395437 | 5250650 | 48.4 | 0.07 | N.D. | 0.62 | 2.60 | 21.7 | 20.6 | 11987 | 267 | 0.91 | 10 | 3.6 | 3001 | 51 |
| 03-PAT-0201 | 388751 | 5255687 | 38.1 | 0.13 | N.D. | 0.51 | 6.86 | 29.2 | 30.5 | 18719 | 414 | 0.78 | 17 | 3.6 | 2468 | 58 |
| 03-PAT-0203 | 389124 | 5257334 | 30.5 | 0.10 | N.D. | 0.42 | 6.38 | 27.0 | 31.3 | 14026 | 292 | 1.13 | 18 | 4.1 | 3705 | 55 |
| 03-PAT-0204 | 389593 | 5259092 | 47.1 | 0.14 | N.D. | 0.50 | 4.87 | 29.0 | 41.5 | 10847 | 223 | 1.47 | 20 | 4.6 | 4834 | 60 |
| 03-PAT-0206 | 381665 | 5264748 | 49.3 | 0.10 | N.D. | 0.71 | 4.11 | 24.3 | 31.8 | 6803 | 185 | 1.04 | 15 | 3.3 | 3369 | 66 |
| 03-PAT-0207 | 370654 | 5281729 | 68.3 | 0.08 | N.D. | 0.49 | 3.46 | 11.4 | 22.3 | 2865 | 53 | 1.21 | 17 | 2.3 | 7836 | 70 |
| 03-PAT-0208 | 371097 | 5281680 | 67.2 | 0.08 | N.D. | 0.49 | 3.35 | 11.2 | 24.0 | 2582 | 53 | 1.21 | 18 | 3.1 | 7070 | 69 |
| 03-PAT-0209 | 370579 | 5282267 | 74.5 | 0.07 | N.D. | 0.51 | 3.70 | 15.8 | 24.9 | 2633 | 60 | 1.08 | 20 | 2.5 | 7380 | 73 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0210 | 370378 | 5282775 | 78.5 | 0.08 | N.D. | 0.61 | 3.36 | 17.2 | 27.9 | 2781 | 60 | 1.22 | 21 | 1.8 | 8274 | 80 |
| 03-PAT-0211 | 368239 | 5286870 | 22.4 | 0.07 | N.D. | 0.55 | 8.00 | 34.9 | 16.0 | 14657 | 559 | 0.44 | 16 | 5 | 1760 | 68 |
| 03-PAT-0212 | 368917 | 5287012 | 44.4 | 0.07 | N.D. | 0.86 | 7.40 | 35.9 | 32.4 | 17316 | 212 | 2.15 | 27 | 5.3 | 9156 | 121 |
| 03-PAT-0213 | 368491 | 5287580 | 52.6 | 0.06 | N.D. | 0.54 | 4.11 | 24.5 | 30.0 | 10042 | 108 | 3.17 | 20 | 4.1 | 8589 | 78 |
| 03-PAT-0214 | 369203 | 5287752 | 33.3 | 0.08 | N.D. | 0.68 | 6.44 | 39.0 | 19.8 | 16164 | 344 | 0.58 | 18 | 7.4 | 2634 | 79 |
| 03-PAT-0216 | 368446 | 5288705 | 73.7 | 0.05 | N.D. | 0.41 | 2.94 | 9.9 | 19.2 | 2230 | 43 | 1.94 | 10 | 1.9 | 5771 | 58 |
| 03-PAT-0217 | 368870 | 5289308 | 78.8 | 0.07 | N.D. | 0.40 | 2.79 | 14.9 | 28.2 | 3470 | 65 | 2.15 | 11 | 5.7 | 6330 | 63 |
| 03-PAT-0218 | 367773 | 5289451 | 77.8 | 0.05 | N.D. | 0.47 | 2.07 | 13.9 | 29.8 | 7481 | 52 | 3.45 | 14 | 4.5 | 10750 | 68 |
| 03-PAT-0219 | 366514 | 5289838 | 52.9 | 0.07 | N.D. | 0.41 | 4.91 | 24.5 | 24.9 | 8938 | 159 | 1.21 | 18 | 8.8 | 6119 | 70 |
| 03-PAT-0220 | 386623 | 5295047 | 57.7 | 0.14 | N.D. | 0.59 | 4.00 | 32.4 | 71.9 | 10505 | 53 | 2.14 | 16 | 3.8 | 10296 | 72 |
| 03-PAT-0221 | 385901 | 5295407 | 69.1 | 0.07 | N.D. | 0.52 | 3.36 | 19.4 | 24.4 | 5873 | 79 | 1.41 | 14 | 7 | 5739 | 70 |
| 03-PAT-0222 | 384582 | 5295777 | 70.0 | 0.11 | N.D. | 0.46 | 1.39 | 11.7 | 39.0 | 2466 | 27 | 2.29 | 9 | 2.4 | 8870 | 79 |
| 03-PAT-0223 | 384497 | 5296065 | 66.0 | 0.14 | N.D. | 0.66 | 2.76 | 19.0 | 49.7 | 2127 | 48 | 1.01 | 14 | 4.6 | 4056 | 99 |
| 03-PAT-0224 | 383353 | 5296823 | 59.0 | 0.09 | N.D. | 0.44 | 2.21 | 14.3 | 51.4 | 6780 | 66 | 2.91 | 9 | 3.2 | 14782 | 69 |
| 03-PAT-0226 | 383921 | 5297445 | 65.6 | 0.12 | N.D. | 0.41 | 2.92 | 10.0 | 67.8 | 2122 | 31 | 1.80 | 12 | 5.4 | 7621 | 47 |
| 03-PAT-0227 | 382738 | 5296591 | 90.6 | 0.08 | N.D. | 0.81 | 1.05 | 6.1 | 11.7 | 1495 | 104 | 0.80 | 6 | 2.8 | 2691 | 129 |
| 03-PAT-0228 | 382484 | 5296546 | 61.3 | 0.22 | N.D. | 0.84 | 5.03 | 42.3 | 107 | 19116 | 551 | 4.10 | 15 | 7 | 22876 | 65 |
| 03-PAT-0229 | 382093 | 5296339 | 64.4 | 0.05 | N.D. | 0.39 | 1.89 | 10.2 | 24.1 | 10682 | 200 | 2.31 | 8 | 1.4 | 9987 | 48 |
| 03-PAT-0230 | 381882 | 5296303 | 56.8 | 0.24 | N.D. | 0.93 | 9.85 | 29.1 | 90.5 | 37449 | 1118 | 3.30 | 22 | 6.1 | 13495 | 69 |
| 03-PAT-0231 | 381365 | 5296384 | 64.2 | 0.12 | N.D. | 0.64 | 4.16 | 27.8 | 55.6 | 27592 | 1234 | 4.04 | 15 | 8.4 | 12999 | 74 |
| 03-PAT-0232 | 380412 | 5296286 | 66.8 | 0.07 | N.D. | 0.42 | 3.35 | 19.5 | 32.0 | 11048 | 148 | 2.22 | 10 | 3.4 | 8558 | 60 |
| 03-PAT-0234 | 380147 | 5296048 | 73.8 | 0.08 | N.D. | 0.49 | 3.78 | 26.2 | 42.6 | 20592 | 288 | 2.64 | 12 | 6.1 | 11764 | 50 |
| 03-PAT-0237 | 379983 | 5295550 | 67.1 | 0.09 | N.D. | 0.93 | 2.93 | 18.2 | 26.0 | 4783 | 303 | 0.64 | 11 | 4 | 4857 | 170 |
| 03-PAT-0238 | 385917 | 5294469 | 79.5 | 0.09 | N.D. | 0.26 | 2.13 | 14.9 | 67.5 | 4272 | 110 | 5.30 | 15 | 2.2 | 11142 | 37 |
| 03-PAT-0240 | 384570 | 5294879 | 75.2 | 0.10 | N.D. | 0.51 | 1.11 | 8.2 | 57.6 | 1037 | 33 | 2.56 | 6 | 6.6 | 6365 | 85 |
| 03-PAT-0241 | 383682 | 5293972 | 78.4 | 0.08 | N.D. | 0.78 | 1.25 | 16.4 | 30.2 | 1650 | 26 | 2.76 | 7 | 10.9 | 10422 | 82 |
| 03-PAT-0242 | 383978 | 5294664 | 77.1 | 0.10 | N.D. | 0.72 | 1.89 | 10.9 | 17.2 | 1938 | 129 | 0.91 | 7 | 3.7 | 2960 | 134 |
| 03-PAT-0243 | 383751 | 5295175 | 65.1 | 0.09 | N.D. | 0.50 | 1.88 | 14.5 | 32.7 | 6527 | 55 | 1.35 | 9 | 11.6 | 8762 | 45 |
| 03-PAT-0244 | 382848 | 5295446 | 80.9 | 0.06 | N.D. | 0.45 | 1.39 | 10.3 | 24.8 | 4345 | 76 | 2.62 | 6 | 1.5 | 8272 | 60 |
| 03-PAT-0246 | 382227 | 5296000 | 49.5 | 0.17 | N.D. | 0.41 | 3.77 | 13.8 | 39.0 | >135000 | 1863 | 0.94 | 25 | 7.1 | 5433 | 58 |
| 03-PAT-0248 | 381383 | 5295983 | 69.0 | 0.14 | N.D. | 0.93 | 6.51 | 20.5 | 83.0 | 8178 | 135 | 2.32 | 17 | 11 | 12817 | 64 |
| 03-PAT-0249 | 380600 | 5295500 | 79.0 | 0.06 | N.D. | 0.45 | 2.67 | 19.3 | 42.1 | 8892 | 92 | 1.66 | 13 | 4.7 | 9591 | 53 |
| 03-PAT-0250 | 381734 | 5295140 | 66.2 | 0.09 | N.D. | 0.62 | 3.11 | 16.6 | 23.9 | 2208 | 66 | 0.82 | 13 | 5.8 | 3237 | 69 |
| 03-PAT-0251 | 382114 | 5295101 | 72.0 | 0.07 | N.D. | 0.61 | 2.70 | 8.9 | 18.7 | 5253 | 156 | 0.93 | 7 | 4.7 | 5055 | 95 |
| 03-PAT-0252 | 382352 | 5292918 | 82.6 | 0.06 | N.D. | 0.52 | 1.25 | 5.3 | 9.9 | 1856 | 74 | 0.55 | 5 | 5.5 | 3648 | 96 |
| 03-PAT-0253 | 382481 | 5293421 | 71.8 | 0.07 | N.D. | 0.62 | 2.02 | 11.6 | 13.2 | 3263 | 71 | 1.52 | 9 | 3.2 | 2681 | 81 |
| 03-PAT-0254 | 381825 | 5293184 | 59.7 | 0.08 | N.D. | 0.62 | 2.91 | 19.8 | 26.1 | 11328 | 95 | 1.97 | 12 | 7.4 | 12288 | 56 |
| 03-PAT-0256 | 380878 | 5293901 | 83.9 | 0.04 | N.D. | 0.40 | 0.94 | 8.9 | 11.5 | 5658 | 105 | 3.42 | 6 | 2 | 9549 | 50 |
| 03-PAT-0257 | 381667 | 5293883 | 73.5 | 0.07 | N.D. | 0.43 | 2.11 | 9.7 | 13.5 | 6685 | 338 | 2.10 | 8 | 10.2 | 6280 | 47 |
| 03-PAT-0258 | 381983 | 5294473 | 84.7 | 0.07 | N.D. | 0.73 | 1.69 | 7.4 | 12.8 | 4159 | 161 | 2.33 | 7 | 19 | 7154 | 56 |
| 03-PAT-0259 | 380882 | 5294567 | 87.1 | 0.05 | N.D. | 0.23 | 1.41 | 8.8 | 17.0 | 8152 | 170 | 2.93 | 9 | 1.7 | 9892 | 42 |
| 03-PAT-0260 | 381167 | 5292613 | 41.5 | 0.12 | N.D. | 0.99 | 6.11 | 36.5 | 21.1 | 18713 | 366 | 0.75 | 18 | 19.7 | 3765 | 129 |
| 03-PAT-0261 | 380728 | 5293151 | 73.2 | 0.05 | N.D. | 0.44 | 0.93 | 6.6 | 7.9 | 1066 | 35 | 1.35 | 4 | 4.4 | 7413 | 56 |
| 03-PAT-0262 | 380400 | 5293600 | 81.5 | 0.07 | N.D. | 0.71 | 1.84 | 13.9 | 10.7 | 2124 | 60 | 0.83 | 8 | 5.3 | 2780 | 88 |
| 03-PAT-0263 | 379976 | 5294165 | 72.8 | 0.04 | N.D. | 0.40 | 1.32 | 11.1 | 13.4 | 1701 | 59 | 1.91 | 9 | 5.1 | 6128 | 57 |
| 03-PAT-0264 | 379464 | 5294403 | 60.5 | 0.07 | N.D. | 0.38 | 1.70 | 18.3 | 32.1 | 8199 | 55 | 2.33 | 25 | 2.5 | 13310 | 54 |
| 03-PAT-0266 | 379101 | 5293461 | 66.1 | 0.06 | N.D. | 0.48 | 1.50 | 16.0 | 22.0 | 12973 | 59 | 4.80 | 12 | 5.2 | 16918 | 62 |
| 03-PAT-0267 | 379653 | 5293653 | 60.1 | N.D. | N.D. | 0.32 | 1.44 | 13.5 | 18.0 | 6431 | 65 | 2.93 | 7 | 3.5 | 9458 | 41 |
| 03-PAT-0268 | 378625 | 5293827 | 80.3 | 0.06 | N.D. | 0.77 | 1.05 | 12.7 | 9.9 | 1243 | 55 | 0.89 | 7 | 3.6 | 2069 | 110 |
| 03-PAT-0270 | 378607 | 5294442 | 65.0 | 0.05 | N.D. | 0.40 | 1.79 | 16.9 | 25.2 | 6146 | 54 | 2.30 | 23 | 2.4 | 7962 | 58 |
| 03-PAT-0271 | 378673 | 5294752 | 56.6 | 0.06 | 2 | 0.43 | 1.96 | 17.9 | 37.3 | 4834 | 32 | 1.45 | 39 | 3.7 | 8920 | 49 |
| 03-PAT-0272 | 393150 | 5258350 | 43.4 | 0.06 | N.D. | 0.44 | 3.19 | 17.0 | 22.7 | 5164 | 83 | 2.72 | 13 | 4.4 | 4378 | 64 |
| 03-PAT-0274 | 393704 | 5255607 | 46.2 | 0.06 | N.D. | 0.53 | 3.71 | 17.3 | 21.9 | 5017 | 82 | 2.01 | 14 | 4.8 | 3856 | 66 |
| 03-PAT-0276 | 394535 | 5253574 | 64.3 | 0.09 | N.D. | 0.73 | 2.37 | 18.5 | 34.0 | 3955 | 68 | 2.46 | 14 | 7.2 | 4778 | 67 |
| 03-PAT-0277 | 397009 | 5253352 | 46.0 | 0.06 | N.D. | 0.66 | 2.29 | 11.6 | 20.5 | 4055 | 90 | 2.15 | 10 | 3.1 | 3502 | 59 |
| 03-PAT-0278 | 398075 | 5253448 | 50.3 | 0.21 | N.D. | 0.63 | 4.69 | 19.3 | 40.7 | 7023 | 65 | 2.09 | 16 | 3.3 | 5602 | 64 |
| 03-PAT-0279 | 397795 | 5252826 | 13.6 | 0.06 | N.D. | 0.25 | 3.87 | 24.9 | 15.5 | 9324 | 201 | 0.54 | 15 | 3.4 | 1074 | 49 |
| 03-PAT-0280 | 398712 | 5252388 | 26.1 | 0.13 | N.D. | 0.47 | 5.16 | 39.6 | 33.5 | 13518 | 296 | 0.95 | 20 | 5.2 | 1816 | 66 |
| 03-PAT-0281 | 404030 | 5252034 | 73.9 | 0.17 | N.D. | 1.16 | 1.79 | 10.4 | 45.0 | 5892 | 58 | 7.53 | 11 | 2.3 | 4234 | 99 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units----------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0282 | 405698 | 5251813 | 42.5 | 0.11 | N.D. | 0.42 | 1.98 | 14.5 | 31.0 | 3396 | 36 | 1.21 | 15 | 2.1 | 2716 | 40 |
| 03-PAT-0283 | 407002 | 5252692 | 52.7 | 0.24 | N.D. | 0.59 | 39.65 | 33.8 | 35.4 | 52475 | 1812 | 1.40 | 21 | 5.8 | 4143 | 80 |
| 03-PAT-0284 | 406613 | 5253706 | 44.9 | 0.11 | N.D. | 0.59 | 10.51 | 35.8 | 92.7 | 11610 | 361 | 1.91 | 39 | 3.2 | 6670 | 82 |
| 03-PAT-0286 | 406682 | 5255229 | 40.0 | 0.13 | N.D. | 0.76 | 7.12 | 34.1 | 29.5 | 12061 | 273 | 0.62 | 19 | 4.2 | 2449 | 78 |
| 03-PAT-0287 | 407185 | 5255364 | 32.2 | 0.09 | N.D. | 0.69 | 5.88 | 26.6 | 28.7 | 7004 | 209 | 0.66 | 21 | 3.8 | 2744 | 79 |
| 03-PAT-0288 | 406659 | 5256077 | 42.2 | 0.19 | N.D. | 0.73 | 8.54 | 32.4 | 29.2 | 15184 | 365 | 0.64 | 18 | 5.1 | 2551 | 82 |
| 03-PAT-0289 | 406445 | 5256643 | 39.9 | 0.15 | N.D. | 0.70 | 8.39 | 35.5 | 33.7 | 12754 | 347 | 1.03 | 20 | 3.8 | 2676 | 90 |
| 03-PAT-0290 | 407994 | 5255639 | 44.7 | 0.11 | N.D. | 0.72 | 5.84 | 25.1 | 27.4 | 9345 | 229 | 1.07 | 14 | 3.4 | 3981 | 77 |
| 03-PAT-0291 | 408512 | 5255283 | 49.7 | 0.15 | N.D. | 0.78 | 3.92 | 27.2 | 29.2 | 9408 | 275 | 1.16 | 13 | 3.1 | 4275 | 87 |
| 03-PAT-0292 | 408957 | 5254580 | 57.2 | 0.21 | N.D. | 0.63 | 9.02 | 25.6 | 39.1 | 14633 | 473 | 1.49 | 13 | 4.5 | 4062 | 69 |
| 03-PAT-0293 | 409558 | 5254460 | 57.7 | 0.28 | N.D. | 0.55 | 11.27 | 28.7 | 34.3 | 18923 | 529 | 1.10 | 14 | 5.7 | 3707 | 60 |
| 03-PAT-0294 | 409452 | 5253922 | 57.7 | 0.34 | N.D. | 0.52 | 15.51 | 24.8 | 41.4 | 27964 | 505 | 2.52 | 14 | 6.6 | 4818 | 57 |
| 03-PAT-0296 | 410712 | 5253714 | 50.2 | 0.28 | N.D. | 0.64 | 11.32 | 29.8 | 31.9 | 14536 | 445 | 0.97 | 14 | 5.8 | 3085 | 66 |
| 03-PAT-0297 | 411224 | 5253459 | 46.4 | 0.24 | N.D. | 0.76 | 8.58 | 29.9 | 33.7 | 8244 | 292 | 0.97 | 13 | 5.2 | 2875 | 68 |
| 03-PAT-0298 | 411411 | 5252644 | 44.2 | 0.17 | N.D. | 0.54 | 2.96 | 20.3 | 28.1 | 5483 | 71 | 0.68 | 13 | 3.6 | 2606 | 49 |
| 03-PAT-0299 | 412429 | 5253001 | 28.1 | 0.11 | N.D. | 0.46 | 7.08 | 28.8 | 16.7 | 8973 | 164 | 0.46 | 15 | 4 | 1481 | 54 |
| 03-PAT-0300 | 412849 | 5252854 | 30.6 | 0.11 | N.D. | 0.46 | 6.81 | 27.3 | 15.9 | 11397 | 197 | 0.44 | 14 | 5.2 | 1733 | 54 |
| 03-PAT-0301 | 412782 | 5252216 | 33.5 | 0.13 | N.D. | 0.54 | 7.91 | 28.4 | 18.3 | 10951 | 244 | 0.53 | 15 | 5.8 | 1833 | 58 |
| 03-PAT-0302 | 412572 | 5251456 | 20.0 | 0.07 | N.D. | 0.30 | 5.16 | 27.1 | 15.5 | 8669 | 122 | 0.42 | 15 | 3.7 | 1276 | 62 |
| 03-PAT-0303 | 412886 | 5250744 | 20.2 | 0.08 | N.D. | 0.28 | 5.38 | 22.8 | 10.9 | 8985 | 163 | 0.33 | 12 | 4.4 | 1054 | 35 |
| 03-PAT-0304 | 414348 | 5251099 | 50.0 | 0.11 | N.D. | 0.57 | 4.91 | 26.2 | 24.6 | 11506 | 195 | 0.60 | 14 | 3.5 | 2531 | 49 |
| 03-PAT-0306 | 417125 | 5249011 | 57.0 | 0.15 | N.D. | 0.45 | 1.98 | 14.6 | 22.3 | 5601 | 73 | 1.08 | 11 | 2.3 | 2862 | 35 |
| 03-PAT-0307 | 418058 | 5249904 | 51.3 | 0.10 | N.D. | 0.67 | 3.33 | 25.9 | 26.0 | 5921 | 90 | 0.67 | 15 | 3.2 | 2666 | 91 |
| 03-PAT-0308 | 417519 | 5250241 | 61.4 | 0.31 | N.D. | 0.37 | 4.85 | 23.7 | 31.0 | 34534 | 265 | 1.18 | 14 | 6.6 | 3587 | 40 |
| 03-PAT-0309 | 416825 | 5252089 | 53.4 | 0.12 | N.D. | 0.61 | 3.21 | 22.3 | 25.3 | 6849 | 127 | 0.56 | 13 | 3.3 | 3006 | 45 |
| 03-PAT-0310 | 416764 | 5252779 | 36.8 | 0.09 | N.D. | 0.51 | 3.97 | 26.3 | 14.2 | 6835 | 133 | 0.38 | 12 | 3.8 | 1806 | 41 |
| 03-PAT-0311 | 415999 | 5253247 | 33.5 | 0.06 | N.D. | 0.40 | 2.45 | 16.6 | 13.7 | 3257 | 65 | 0.41 | 9 | 2.4 | 1926 | 31 |
| 03-PAT-0312 | 415999 | 5253971 | 31.6 | 0.11 | N.D. | 0.57 | 5.63 | 27.1 | 19.1 | 9014 | 183 | 0.54 | 13 | 2.7 | 1762 | 70 |
| 03-PAT-0313 | 415120 | 5254511 | 42.2 | 0.16 | N.D. | 0.47 | 2.31 | 18.2 | 20.8 | 4324 | 79 | 0.57 | 10 | 3 | 2146 | 32 |
| 03-PAT-0314 | 415867 | 5255219 | 55.6 | 0.24 | N.D. | 0.69 | 13.88 | 30.8 | 24.2 | 22141 | 783 | 0.84 | 13 | 7 | 3078 | 68 |
| 03-PAT-0316 | 415390 | 5255624 | 58.9 | 0.23 | N.D. | 0.84 | 4.07 | 20.9 | 41.5 | 8377 | 159 | 1.04 | 15 | 4.2 | 3540 | 55 |
| 03-PAT-0317 | 415555 | 5256509 | 31.8 | 0.10 | N.D. | 0.55 | 5.84 | 30.6 | 22.0 | 9792 | 195 | 0.59 | 15 | 3.4 | 2399 | 75 |
| 03-PAT-0318 | 415544 | 5257385 | 39.8 | 0.13 | N.D. | 0.68 | 7.64 | 36.1 | 26.9 | 12688 | 269 | 0.90 | 17 | 3.7 | 3072 | 92 |
| 03-PAT-0319 | 415318 | 5258164 | 43.0 | 0.13 | N.D. | 0.62 | 5.28 | 28.8 | 20.6 | 12568 | 230 | 0.51 | 13 | 4.3 | 2258 | 58 |
| 03-PAT-0320 | 402817 | 5261714 | 85.2 | 0.05 | N.D. | 1.25 | 6.63 | 20.3 | 6.0 | 51982 | 342 | 1.34 | 10 | 4.1 | 2744 | 216 |
| 03-PAT-0321 | 374385 | 5279389 | 79.3 | 0.05 | N.D. | 0.50 | 1.37 | 8.5 | 19.2 | 1342 | 44 | 1.30 | 8 | 2.3 | 6158 | 58 |
| 03-PAT-0322 | 373815 | 5278808 | 45.9 | 0.10 | N.D. | 0.56 | 4.11 | 33.1 | 44.9 | 12795 | 88 | 2.05 | 20 | 3.8 | 7584 | 78 |
| 03-PAT-0323 | 372750 | 5278750 | 43.3 | 0.20 | N.D. | 0.58 | 2.40 | 15.1 | 74.6 | 6193 | 84 | 1.17 | 23 | 6.7 | 7745 | 61 |
| 03-PAT-0324 | 372500 | 5278200 | 45.0 | 0.19 | N.D. | 0.80 | 3.57 | 18.0 | 72.7 | 9110 | 60 | 1.91 | 25 | 7.7 | 9662 | 92 |
| 03-PAT-0326 | 372779 | 5278020 | 48.0 | 0.22 | N.D. | 0.70 | 6.74 | 33.5 | 75.2 | 9588 | 117 | 1.81 | 28 | 3.9 | 6330 | 101 |
| 03-PAT-0327 | 371773 | 5282307 | 70.4 | 0.07 | N.D. | 0.55 | 1.70 | 8.0 | 16.3 | 2672 | 43 | 1.30 | 8 | 2.2 | 5375 | 76 |
| 03-PAT-0328 | 371785 | 5285848 | 54.9 | 0.08 | N.D. | 0.61 | 3.32 | 10.8 | 69.7 | 4665 | 66 | 1.73 | 16 | 3.4 | 10325 | 113 |
| 03-PAT-0329 | 371203 | 5285841 | 55.0 | 0.14 | N.D. | 2.10 | 5.97 | 16.3 | 95.4 | 14476 | 502 | 1.29 | 21 | 8.2 | 17652 | 565 |
| 03-PAT-0330 | 376311 | 5287232 | 54.1 | 0.12 | N.D. | 2.67 | 6.44 | 17.8 | 96.2 | 9086 | 81 | 1.14 | 21 | 9.7 | 13212 | 706 |
| 03-PAT-0331 | 375381 | 5288048 | 62.4 | 0.16 | N.D. | 2.29 | 6.11 | 20.0 | 131 | 3685 | 246 | 1.44 | 23 | 8.2 | 6577 | 409 |
| 03-PAT-0332 | 374216 | 5288489 | 57.0 | 0.11 | N.D. | 0.80 | 7.34 | 14.2 | 73.0 | 11503 | 493 | 1.13 | 16 | 5.5 | 11474 | 190 |
| 03-PAT-0333 | 386984 | 5296375 | 57.1 | 0.08 | N.D. | 0.59 | 4.46 | 39.5 | 32.3 | 20519 | 227 | 1.23 | 26 | 5.7 | 4472 | 70 |
| 03-PAT-0334 | 386499 | 5296600 | 60.2 | 0.06 | N.D. | 0.47 | 2.68 | 30.1 | 31.4 | 6931 | 56 | 1.58 | 35 | 3.3 | 6958 | 58 |
| 03-PAT-0336 | 387588 | 5297670 | 69.0 | 0.07 | N.D. | 0.48 | 2.28 | 14.0 | 20.4 | 2054 | 62 | 0.78 | 10 | 4.4 | 3298 | 69 |
| 03-PAT-0339 | 386132 | 5298383 | 57.8 | 0.08 | N.D. | 1.00 | 2.78 | 20.0 | 21.8 | 9590 | 101 | 0.76 | 15 | 24.5 | 7596 | 63 |
| 03-PAT-0340 | 384937 | 5299012 | 62.8 | 0.07 | N.D. | 0.54 | 6.41 | 29.3 | 30.3 | 3482 | 70 | 1.04 | 32 | 3.8 | 4967 | 89 |
| 03-PAT-0341 | 385600 | 5298700 | 66.7 | 0.07 | N.D. | 0.63 | 3.39 | 8.4 | 23.8 | 1658 | 59 | 1.03 | 10 | 6.7 | 4490 | 61 |
| 03-PAT-0342 | 387625 | 5299408 | 55.1 | 0.09 | N.D. | 0.58 | 4.15 | 22.7 | 30.1 | 9998 | 285 | 1.29 | 16 | 12.1 | 7342 | 66 |
| 03-PAT-0343 | 386632 | 5298980 | 62.8 | 0.08 | N.D. | 0.49 | 4.49 | 21.4 | 28.7 | 14522 | 210 | 1.57 | 13 | 8.3 | 8539 | 59 |
| 03-PAT-0344 | 385729 | 5299419 | 77.1 | 0.07 | INF | 0.51 | 3.28 | 15.2 | 25.5 | 6481 | 110 | 2.25 | 12 | 10.5 | 8891 | 58 |
| 03-PAT-0346 | 386469 | 5299786 | 59.1 | 0.05 | N.D. | 0.46 | 1.43 | 12.0 | 17.3 | 6094 | 44 | 2.15 | 8 | 7.4 | 7483 | 51 |
| 03-PAT-0347 | 386068 | 5299761 | 65.5 | 0.05 | N.D. | 0.35 | 1.82 | 15.2 | 17.2 | 5150 | 58 | 2.44 | 7 | 2.9 | 6451 | 47 |
| 03-PAT-0348 | 384756 | 5299912 | 68.7 | 0.06 | N.D. | 0.41 | 1.97 | 17.2 | 26.2 | 15768 | 102 | 2.25 | 11 | 3.3 | 13376 | 49 |
| 03-PAT-0349 | 382836 | 5300346 | 51.9 | 0.10 | N.D. | 0.56 | 1.76 | 11.8 | 73.3 | 3685 | 24 | 2.39 | 10 | 3.3 | 10925 | 67 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0350 | 382174 | 5299997 | 44.5 | 0.12 | N.D. | 0.64 | 4.34 | 29.5 | 65.1 | 12355 | 131 | 2.53 | 11 | 5.3 | 14567 | 72 |
| 03-PAT-0351 | 382128 | 5299555 | 56.8 | 0.07 | 7 | 0.42 | 2.65 | 17.4 | 35.1 | 9959 | 210 | 5.28 | 10 | 8.1 | 14508 | 45 |
| 03-PAT-0352 | 381831 | 5298445 | 59.1 | 0.13 | N.D. | 0.96 | 5.28 | 18.5 | 22.0 | 6557 | 186 | 1.09 | 13 | 21.7 | 5863 | 98 |
| 03-PAT-0353 | 381165 | 5298145 | 76.6 | 0.07 | N.D. | 0.49 | 2.34 | 9.5 | 18.8 | 2620 | 93 | 1.44 | 10 | 2.8 | 7731 | 59 |
| 03-PAT-0354 | 380440 | 5298673 | 66.0 | 0.05 | N.D. | 0.68 | 2.83 | 10.3 | 21.2 | 2793 | 48 | 1.55 | 12 | 5.9 | 5550 | 76 |
| 03-PAT-0356 | 379808 | 5298957 | 59.9 | 0.07 | 4 | 0.43 | 1.95 | 8.7 | 44.7 | 3196 | 37 | 1.69 | 10 | 4 | 9014 | 51 |
| 03-PAT-0357 | 379466 | 5298057 | 10.5 | N.D. | N.D. | 0.22 | 3.31 | 11.9 | 7.2 | 5268 | 165 | 0.29 | 7 | 2.9 | 1253 | 32 |
| 03-PAT-0359 | 379402 | 5296092 | 55.3 | 0.05 | N.D. | 0.37 | 2.08 | 17.7 | 22.7 | 7517 | 68 | 1.60 | 13 | 3.2 | 9068 | 52 |
| 03-PAT-0360 | 378597 | 5295429 | 62.4 | 0.05 | N.D. | 0.64 | 2.06 | 11.1 | 36.5 | 1918 | 46 | 1.63 | 20 | 2 | 6973 | 106 |
| 03-PAT-0361 | 378127 | 5294023 | 69.6 | 0.07 | N.D. | 0.38 | 2.34 | 22.5 | 36.4 | 5743 | 95 | 3.62 | 26 | 4.6 | 9840 | 54 |
| 03-PAT-0362 | 377632 | 5294257 | 54.5 | 0.08 | N.D. | 0.50 | 4.33 | 31.6 | 46.5 | 7676 | 240 | 1.63 | 26 | 7.3 | 7605 | 78 |
| 03-PAT-0363 | 377508 | 5294719 | 46.9 | 0.05 | N.D. | 0.38 | 1.03 | 12.6 | 47.8 | 1564 | 25 | 2.01 | 25 | 3.7 | 6719 | 59 |
| 03-PAT-0364 | 376884 | 5294268 | 61.1 | 0.12 | N.D. | 0.99 | 6.20 | 28.6 | 57.1 | 9314 | 95 | 0.91 | 30 | 2.3 | 8516 | 133 |
| 03-PAT-0366 | 376524 | 5294757 | 75.6 | 0.10 | N.D. | 0.83 | 6.01 | 43.5 | 59.0 | 6926 | 77 | 1.32 | 55 | 4.1 | 8483 | 105 |
| 03-PAT-0367 | 376112 | 5293899 | 60.3 | 0.05 | N.D. | 0.34 | 1.94 | 16.8 | 46.2 | 1722 | 69 | 1.16 | 27 | 3.5 | 6607 | 42 |
| 03-PAT-0368 | 375440 | 5293382 | 77.7 | 0.08 | N.D. | 0.48 | 4.26 | 11.0 | 37.0 | 1873 | 174 | 2.99 | 34 | 1.9 | 9430 | 77 |
| 03-PAT-0369 | 374628 | 5293057 | 54.3 | 0.06 | N.D. | 0.37 | 2.19 | 19.9 | 33.2 | 5096 | 48 | 1.84 | 40 | 3 | 7730 | 49 |
| 03-PAT-0371 | 375225 | 5294112 | 56.1 | 0.08 | N.D. | 0.51 | 4.49 | 29.2 | 52.4 | 5686 | 137 | 1.75 | 40 | 4.9 | 8607 | 66 |
| 03-PAT-0373 | 375444 | 5294572 | 58.1 | 0.10 | N.D. | 0.67 | 5.06 | 35.3 | 56.6 | 11052 | 157 | 1.45 | 37 | 7.3 | 10520 | 79 |
| 03-PAT-0374 | 375509 | 5294924 | 46.2 | 0.16 | N.D. | 0.66 | 5.82 | 25.4 | 39.0 | 13506 | 368 | 0.59 | 22 | 7.3 | 4858 | 86 |
| 03-PAT-0376 | 374495 | 5294364 | 49.5 | 0.17 | N.D. | 0.81 | 4.53 | 50.2 | 59.6 | 14543 | 430 | 0.82 | 28 | 6.5 | 3668 | 93 |
| 03-PAT-0377 | 372581 | 5294734 | 53.6 | 0.17 | N.D. | 0.79 | 7.86 | 47.1 | 53.2 | 16322 | 1256 | 1.05 | 26 | 4.7 | 4713 | 132 |
| 03-PAT-0378 | 372806 | 5295190 | 60.8 | 0.10 | N.D. | 0.97 | 4.60 | 12.2 | 26.0 | 7827 | 132 | 1.71 | 14 | 20.1 | 6079 | 96 |
| 03-PAT-0379 | 371178 | 5293845 | 56.2 | 0.05 | N.D. | 0.43 | 3.04 | 16.9 | 29.5 | 7192 | 67 | 1.76 | 17 | 3.6 | 7471 | 56 |
| 03-PAT-0380 | 370127 | 5293778 | 88.9 | N.D. | N.D. | 0.42 | 1.52 | 8.1 | 14.2 | 1676 | 33 | 2.13 | 13 | 1.4 | 4281 | 64 |
| 03-PAT-0381 | 369622 | 5294017 | 39.2 | 0.05 | N.D. | 0.40 | 4.99 | 24.5 | 15.4 | 8773 | 103 | 0.79 | 18 | 4.9 | 3276 | 72 |
| 03-PAT-0382 | 369204 | 5293531 | 45.7 | 0.06 | N.D. | 0.42 | 4.07 | 22.8 | 15.0 | 8319 | 138 | 0.66 | 16 | 7.9 | 3686 | 57 |
| 03-PAT-0383 | 368156 | 5293884 | 81.0 | 0.06 | N.D. | 0.43 | 0.92 | 7.9 | 15.7 | 1299 | 37 | 1.75 | 5 | 5.9 | 6826 | 55 |
| 03-PAT-0384 | 367431 | 5293420 | 76.8 | N.D. | N.D. | 0.37 | 1.49 | 9.2 | 9.7 | 2465 | 38 | 1.44 | 7 | 2.2 | 3116 | 40 |
| 03-PAT-0386 | 366431 | 5293197 | 56.3 | 0.06 | N.D. | 0.43 | 4.43 | 14.3 | 24.5 | 4931 | 54 | 1.01 | 20 | 2.3 | 4586 | 66 |
| 03-PAT-0387 | 367032 | 5292629 | 85.9 | N.D. | N.D. | 0.44 | 0.80 | 6.9 | 8.0 | 1905 | 27 | 1.16 | 5 | 2.1 | 2347 | 48 |
| 03-PAT-0388 | 366167 | 5292336 | 89.8 | N.D. | N.D. | 0.31 | 1.06 | 5.6 | 7.1 | 1211 | 32 | 1.22 | 5 | 1.1 | 3826 | 56 |
| 03-PAT-0389 | 365696 | 5291322 | 76.0 | N.D. | N.D. | 0.25 | 1.61 | 8.7 | 18.7 | 2664 | 42 | 2.34 | 11 | 1.2 | 5446 | 58 |
| 03-PAT-0390 | 366108 | 5287602 | 75.0 | 0.04 | N.D. | 0.41 | 1.31 | 6.5 | 27.1 | 2023 | 32 | 2.04 | 11 | 1.7 | 10699 | 62 |
| 03-PAT-0392 | 367047 | 5280004 | 52.9 | 0.11 | N.D. | 0.63 | 3.35 | 10.1 | 68.7 | 1951 | 40 | 1.99 | 19 | 2.9 | 4930 | 55 |
| 03-PAT-0393 | 366650 | 5275289 | 50.0 | 0.12 | N.D. | 0.74 | 3.25 | 22.6 | 58.9 | 4420 | 34 | 3.68 | 17 | 3.2 | 7957 | 66 |
| 03-PAT-0394 | 375751 | 5271919 | 49.4 | 0.19 | N.D. | 0.80 | 7.32 | 18.4 | 81.4 | 5489 | 67 | 3.25 | 16 | 3.3 | 7936 | 139 |
| 03-PAT-0396 | 384149 | 5276053 | 64.1 | 0.13 | N.D. | 0.83 | 9.14 | 38.6 | 33.9 | 38231 | 293 | 1.70 | 21 | 3.5 | 10139 | 151 |
| 03-PAT-0397 | 384252 | 5275527 | 50.3 | 0.10 | N.D. | 0.61 | 7.57 | 38.6 | 28.9 | 22455 | 221 | 1.10 | 22 | 3.7 | 4112 | 89 |
| 03-PAT-0398 | 383955 | 5274992 | 54.4 | 0.08 | N.D. | 0.51 | 6.27 | 35.2 | 22.6 | 27800 | 225 | 0.93 | 23 | 3.3 | 4270 | 101 |
| 03-PAT-0399 | 385685 | 5272635 | 35.7 | 0.11 | N.D. | 0.77 | 13.99 | 51.4 | 27.5 | 60830 | 944 | 0.68 | 25 | 4.2 | 2670 | 144 |
| 03-PAT-0400 | 392090 | 5268062 | 56.1 | 0.12 | N.D. | 0.95 | 3.99 | 24.0 | 23.6 | 5677 | 78 | 1.26 | 14 | 5.1 | 5262 | 118 |
| 03-PAT-0401 | 392898 | 5267677 | 58.0 | 0.05 | N.D. | 0.40 | 1.56 | 18.2 | 19.3 | 3765 | 34 | 2.83 | 7 | 4.5 | 8620 | 49 |
| 03-PAT-0402 | 393224 | 5267959 | 39.8 | 0.08 | N.D. | 0.39 | 4.75 | 53.9 | 38.4 | 12990 | 92 | 4.21 | 22 | 4.6 | 13396 | 39 |
| 03-PAT-0406 | 395225 | 5264275 | 35.8 | 0.04 | N.D. | 0.68 | 4.86 | 17.8 | 6.1 | 8284 | 199 | 0.67 | 9 | 5 | 1414 | 98 |
| 03-PAT-0407 | 396662 | 5264282 | 50.6 | N.D. | N.D. | 0.34 | 1.25 | 14.0 | 5.4 | 2294 | 71 | 0.42 | 7 | 2.4 | 1216 | 11 |
| 03-PAT-0408 | 396229 | 5263735 | 54.2 | 0.11 | N.D. | 0.86 | 2.39 | 26.9 | 17.3 | 4887 | 60 | 1.05 | 17 | 5.4 | 3199 | 108 |
| 03-PAT-0409 | 396788 | 5263328 | 27.4 | N.D. | N.D. | 0.23 | 2.35 | 19.8 | 7.9 | 4238 | 39 | 0.47 | 12 | 3.4 | 1026 | 29 |
| 03-PAT-0410 | 402484 | 5255513 | 67.4 | 0.05 | N.D. | 0.48 | 1.89 | 9.6 | 25.3 | 2365 | 48 | 2.73 | 15 | 2.2 | 5626 | 68 |
| 03-PAT-0411 | 403655 | 5255583 | 42.9 | 0.14 | N.D. | 0.98 | 7.11 | 31.2 | 62.2 | 6169 | 149 | 0.88 | 27 | 4.8 | 3578 | 97 |
| 03-PAT-0412 | 403281 | 5254893 | 38.4 | 0.16 | N.D. | 0.95 | 6.86 | 35.0 | 55.0 | 8114 | 130 | 0.84 | 28 | 5.5 | 2704 | 121 |
| 03-PAT-0413 | 403686 | 5254651 | 36.1 | 0.16 | N.D. | 0.92 | 6.64 | 34.6 | 51.3 | 8407 | 134 | 0.79 | 27 | 4.2 | 2727 | 119 |
| 03-PAT-0414 | 402920 | 5254277 | 48.2 | 0.23 | N.D. | 0.80 | 3.19 | 16.0 | 63.6 | 6889 | 84 | 2.17 | 14 | 4.5 | 4256 | 119 |
| 03-PAT-0416 | 404566 | 5256687 | 48.2 | 0.19 | N.D. | 0.72 | 2.67 | 19.4 | 42.9 | 7395 | 93 | 1.38 | 14 | 3.1 | 2778 | 85 |
| 03-PAT-0417 | 404864 | 5256223 | 28.7 | 0.13 | N.D. | 0.33 | 2.81 | 19.6 | 20.5 | 7832 | 77 | 0.58 | 11 | 2.9 | 1720 | 32 |
| 03-PAT-0418 | 404382 | 5254843 | 39.9 | 0.28 | N.D. | 0.56 | 6.15 | 24.4 | 41.2 | 13644 | 168 | 1.44 | 17 | 14.3 | 3954 | 53 |
| 03-PAT-0419 | 414886 | 5249502 | 47.1 | 0.11 | N.D. | 0.58 | 3.92 | 27.9 | 25.2 | 6472 | 82 | 0.64 | 16 | 3.5 | 2434 | 51 |
| 03-PAT-0422 | 414883 | 5246688 | 43.1 | 0.10 | N.D. | 0.44 | 3.09 | 23.6 | 19.4 | 5483 | 72 | 0.41 | 14 | 3.3 | 2084 | 37 |
| 03-PAT-0423 | 415591 | 5246297 | 45.7 | 0.12 | N.D. | 0.85 | 11.83 | 34.0 | 42.6 | 13366 | 181 | 1.34 | 27 | 4.3 | 6606 | 120 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units----------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0424 | 415752 | 5245303 | 52.3 | 0.10 | N.D. | 0.69 | 3.79 | 31.9 | 26.2 | 5420 | 53 | 0.76 | 16 | 3.1 | 2399 | 85 |
| 03-PAT-0426 | 416255 | 5244535 | 50.3 | 0.11 | N.D. | 0.52 | 2.79 | 21.5 | 36.4 | 4536 | 64 | 0.51 | 12 | 2.5 | 2323 | 50 |
| 03-PAT-0427 | 416500 | 5243651 | 26.1 | 0.09 | N.D. | 0.32 | 2.43 | 18.2 | 14.0 | 5862 | 52 | 0.35 | 11 | 2.9 | 1099 | 29 |
| 03-PAT-0428 | 415808 | 5241197 | 15.7 | 0.05 | N.D. | 0.41 | 4.80 | 13.4 | 15.4 | 5665 | 87 | 0.86 | 13 | 5.6 | 1755 | 43 |
| 03-PAT-0429 | 414950 | 5241342 | 52.0 | 0.10 | N.D. | 0.69 | 4.40 | 23.7 | 22.3 | 5871 | 173 | 0.66 | 19 | 4.5 | 2665 | 48 |
| 03-PAT-0430 | 415324 | 5240509 | 53.9 | 0.09 | N.D. | 0.65 | 3.00 | 16.1 | 24.6 | 11308 | 156 | 1.34 | 13 | 2.8 | 3311 | 82 |
| 03-PAT-0431 | 412419 | 5242932 | 56.2 | 0.10 | N.D. | 0.61 | 2.35 | 18.9 | 21.8 | 6911 | 56 | 0.75 | 12 | 2.1 | 2755 | 56 |
| 03-PAT-0432 | 412543 | 5244635 | 45.5 | 0.19 | N.D. | 0.51 | 4.21 | 30.5 | 33.6 | 11596 | 128 | 0.82 | 15 | 3.7 | 2172 | 44 |
| 03-PAT-0433 | 411875 | 5244752 | 54.8 | 0.14 | N.D. | 0.52 | 3.15 | 19.1 | 25.6 | 6596 | 77 | 0.90 | 14 | 2.4 | 3357 | 46 |
| 03-PAT-0434 | 412624 | 5243952 | 41.0 | 0.14 | N.D. | 0.48 | 2.67 | 23.6 | 24.0 | 4386 | 56 | 0.69 | 11 | 3.4 | 1926 | 33 |
| 03-PAT-0436 | 411719 | 5243886 | 44.1 | 0.07 | N.D. | 0.38 | 1.81 | 12.2 | 14.0 | 3105 | 34 | 0.73 | 10 | 3.1 | 2151 | 30 |
| 03-PAT-0437 | 404059 | 5246423 | 55.6 | 0.14 | N.D. | 0.68 | 6.48 | 29.9 | 50.5 | 8154 | 349 | 4.44 | 20 | 6 | 4159 | 89 |
| 03-PAT-0438 | 393573 | 5253931 | 59.7 | 0.22 | N.D. | 0.67 | 2.13 | 11.0 | 65.3 | 7503 | 78 | 14.75 | 12 | 3.6 | 6088 | 107 |
| 03-PAT-0439 | 368967 | 5290899 | 60.9 | 0.04 | N.D. | 0.31 | 2.49 | 19.6 | 20.0 | 7759 | 63 | 2.57 | 17 | 3.4 | 8200 | 47 |
| 03-PAT-0440 | 369650 | 5290500 | 58.8 | 0.11 | N.D. | 0.38 | 4.46 | 19.2 | 48.9 | 4147 | 41 | 1.05 | 28 | 3.2 | 4352 | 49 |
| 03-PAT-0441 | 368352 | 5292430 | 79.6 | N.D. | INF | 0.45 | 1.21 | 5.9 | 7.8 | 2301 | 38 | 1.50 | 6 | 4.6 | 3464 | 44 |
| 03-PAT-0442 | 365999 | 5294443 | 51.2 | 0.08 | N.D. | 0.87 | 3.61 | 19.4 | 19.7 | 7357 | 231 | 1.30 | 14 | 25 | 6077 | 73 |
| 03-PAT-0443 | 369537 | 5298085 | 56.4 | 0.10 | N.D. | 0.81 | 3.08 | 16.7 | 29.3 | 3753 | 66 | 1.03 | 16 | 4.1 | 3912 | 67 |
| 03-PAT-0444 | 369220 | 5297377 | 50.6 | 0.10 | N.D. | 0.79 | 3.45 | 18.2 | 25.3 | 5077 | 125 | 0.93 | 16 | 4.8 | 3671 | 73 |
| 03-PAT-0447 | 367593 | 5296252 | 45.2 | 0.06 | N.D. | 0.59 | 4.52 | 25.8 | 20.3 | 9049 | 216 | 0.74 | 19 | 4.9 | 3161 | 93 |
| 03-PAT-0448 | 366154 | 5296522 | 27.2 | 0.05 | N.D. | 0.52 | 5.19 | 24.9 | 18.0 | 11119 | 184 | 0.54 | 18 | 3.6 | 2660 | 112 |
| 03-PAT-0449 | 370105 | 5300835 | 29.2 | 0.09 | N.D. | 0.54 | 6.08 | 33.2 | 29.1 | 14512 | 349 | 0.54 | 23 | 10.3 | 2648 | 81 |
| 03-PAT-0450 | 367503 | 5300527 | 15.0 | 0.06 | N.D. | 0.35 | 5.60 | 31.3 | 16.5 | 15266 | 280 | 0.41 | 20 | 12 | 1681 | 58 |
| 03-PAT-0456 | 366223 | 5301302 | 11.5 | 0.05 | N.D. | 0.24 | 5.29 | 28.8 | 51.2 | 14252 | 303 | 0.29 | 20 | 8.1 | 1141 | 49 |
| 03-PAT-0457 | 368209 | 5301649 | 61.7 | 0.06 | N.D. | 0.53 | 3.05 | 16.3 | 40.3 | 5065 | 50 | 0.91 | 15 | 8.2 | 5953 | 62 |
| 03-PAT-0458 | 366721 | 5312359 | 61.6 | 0.06 | N.D. | 0.61 | 2.50 | 10.9 | 28.8 | 2243 | 38 | 1.73 | 21 | 6.6 | 5118 | 64 |
| 03-PAT-0459 | 366850 | 5311123 | 40.5 | 0.10 | N.D. | 0.81 | 4.64 | 24.9 | 37.4 | 5157 | 61 | 1.14 | 18 | 5.9 | 3045 | 56 |
| 03-PAT-0460 | 366513 | 5310682 | 31.6 | 0.05 | N.D. | 0.57 | 4.23 | 18.9 | 19.2 | 6593 | 118 | 0.38 | 16 | 7 | 2528 | 59 |
| 03-PAT-0461 | 365770 | 5310378 | 30.0 | 0.05 | N.D. | 0.40 | 5.05 | 22.2 | 17.5 | 9066 | 146 | 0.46 | 16 | 6.7 | 2130 | 57 |
| 03-PAT-0462 | 365901 | 5310233 | 29.4 | 0.09 | N.D. | 0.60 | 6.58 | 27.4 | 45.2 | 9614 | 160 | 0.58 | 22 | 9.6 | 3352 | 71 |
| 03PAT-0463 | 363296 | 5310537 | 29.6 | 0.09 | INF | 0.52 | 4.22 | 12.5 | 31.6 | 2982 | 74 | 2.15 | 28 | 7.3 | 6584 | 76 |
| 03-PAT-0464 | 363145 | 5309949 | 48.0 | 0.05 | N.D. | 0.60 | 3.96 | 16.3 | 22.9 | 4797 | 48 | 0.66 | 22 | 5.4 | 4108 | 61 |
| 03-PAT-0466 | 363853 | 5309251 | 43.0 | 0.05 | N.D. | 0.45 | 2.48 | 19.9 | 32.0 | 3908 | 28 | 2.50 | 14 | 6.3 | 7053 | 42 |
| 03-PAT-0467 | 364267 | 5308749 | 31.1 | 0.04 | N.D. | 0.34 | 2.45 | 15.0 | 16.0 | 3975 | 43 | 0.94 | 13 | 6.3 | 2847 | 47 |
| 03-PAT-0468 | 363213 | 5307699 | 72.1 | 0.06 | N.D. | 0.73 | 2.40 | 16.0 | 17.9 | 3805 | 83 | 0.81 | 14 | 12.8 | 4778 | 124 |
| 03-PAT-0469 | 364592 | 5305435 | 52.6 | 0.04 | N.D. | 0.37 | 1.97 | 13.9 | 21.3 | 5606 | 75 | 1.79 | 9 | 5.5 | 6311 | 46 |
| 03-PAT-0470 | 363944 | 5304901 | 59.1 | N.D. | N.D. | 0.32 | 1.59 | 12.9 | 25.0 | 5159 | 59 | 3.80 | 7 | 1.6 | 7590 | 48 |
| 03-PAT-0471 | 363512 | 5304394 | 71.9 | N.D. | N.D. | 0.46 | 1.30 | 9.0 | 22.5 | 1075 | 17 | 3.98 | 12 | 1.8 | 6376 | 62 |
| 03-PAT-0472 | 369884 | 5311490 | 41.8 | 0.06 | N.D. | 0.64 | 3.01 | 16.3 | 21.0 | 4098 | 105 | 1.21 | 17 | 4.3 | 3254 | 56 |
| 03-PAT-0473 | 368998 | 5311102 | 36.4 | 0.07 | N.D. | 0.53 | 4.45 | 21.7 | 36.2 | 6082 | 123 | 0.99 | 20 | 5.8 | 3825 | 71 |
| 03-PAT-0474 | 370014 | 5309759 | 54.8 | 0.08 | N.D. | 0.48 | 2.30 | 15.1 | 65.8 | 3189 | 39 | 1.90 | 15 | 2.4 | 4455 | 58 |
| 03-PAT-0476 | 369308 | 5309848 | 45.4 | 0.13 | N.D. | 0.79 | 5.26 | 18.4 | 48.5 | 6162 | 109 | 1.04 | 19 | 12.5 | 3660 | 63 |
| 03-PAT-0477 | 369201 | 5307929 | 41.2 | 0.09 | N.D. | 0.67 | 5.45 | 22.8 | 26.4 | 6557 | 107 | 0.79 | 34 | 6.5 | 3577 | 61 |
| 03-PAT-0478 | 369143 | 5307414 | 38.5 | 0.16 | N.D. | 0.64 | 5.39 | 26.5 | 32.9 | 10078 | 195 | 0.97 | 26 | 8.5 | 3394 | 79 |
| 03-PAT-0479 | 368828 | 5307251 | 35.7 | 0.08 | N.D. | 0.62 | 5.42 | 22.5 | 33.3 | 6721 | 128 | 0.56 | 27 | 5.1 | 2878 | 67 |
| 03-PAT-0480 | 368325 | 5305807 | 50.7 | N.D. | N.D. | 0.42 | 1.72 | 12.5 | 28.5 | 4529 | 46 | 1.38 | 18 | 4.4 | 6054 | 47 |
| 03-PAT-0481 | 367413 | 5305310 | 50.7 | 0.07 | N.D. | 0.53 | 2.98 | 14.8 | 47.0 | 4286 | 99 | 1.60 | 18 | 4.8 | 5719 | 59 |
| 03-PAT-0482 | 366790 | 5305619 | 89.3 | N.D. | N.D. | 0.57 | 3.15 | 6.1 | 22.0 | 1162 | 83 | 1.51 | 16 | 1.9 | 4468 | 65 |
| 03-PAT-0483 | 366057 | 5305438 | 52.1 | 0.07 | N.D. | 0.69 | 3.70 | 17.5 | 37.8 | 5194 | 61 | 1.16 | 20 | 3.4 | 4659 | 69 |
| 03-PAT-0484 | 366659 | 5304898 | 52.0 | 0.10 | N.D. | 0.73 | 3.37 | 19.7 | 60.0 | 7147 | 227 | 0.87 | 20 | 6.3 | 6084 | 75 |
| 03-PAT-0486 | 366211 | 5304010 | 50.0 | N.D. | N.D. | 0.42 | 2.23 | 14.3 | 15.5 | 4327 | 69 | 0.93 | 13 | 4.6 | 3651 | 47 |
| 03-PAT-0487 | 366145 | 5303376 | 55.5 | N.D. | N.D. | 0.47 | 2.33 | 14.2 | 18.5 | 5072 | 35 | 1.67 | 15 | 2.8 | 5551 | 54 |
| 03-PAT-0488 | 364950 | 5304337 | 51.5 | N.D. | N.D. | 0.41 | 1.52 | 5.7 | 29.7 | 1154 | 30 | 1.27 | 14 | 1.7 | 6088 | 38 |
| 03-PAT-0489 | 365354 | 5303933 | 36.9 | 0.06 | N.D. | 0.46 | 4.24 | 21.7 | 24.6 | 8569 | 193 | 1.17 | 16 | 5.4 | 3566 | 63 |
| 03-PAT-0490 | 364918 | 5303350 | 41.6 | N.D. | N.D. | 0.34 | 2.40 | 13.5 | 14.5 | 4890 | 69 | 0.64 | 13 | 3.8 | 3442 | 37 |
| 03-PAT-0491 | 363664 | 5299554 | 84.3 | N.D. | N.D. | 0.67 | 1.04 | 6.5 | 5.9 | 1722 | 35 | 2.02 | 4 | 2.6 | 4135 | 74 |
| 03-PAT-0492 | 363992 | 5298971 | 76.3 | N.D. | N.D. | 0.47 | 2.17 | 9.0 | 7.8 | 1987 | 44 | 1.15 | 7 | 2.7 | 2789 | 41 |
| 03-PAT-0493 | 364109 | 5298312 | 59.9 | 0.05 | N.D. | 0.50 | 2.76 | 16.9 | 16.2 | 5625 | 75 | 4.70 | 8 | 4.3 | 8344 | 64 |
| 03-PAT-0494 | 363718 | 5287975 | 72.3 | 0.05 | INF | 0.42 | 2.62 | 7.7 | 30.7 | 4128 | 41 | 2.06 | 12 | 1.1 | 11746 | 66 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0496 | 365324 | 5286686 | 74.1 | 0.10 | N.D. | 0.64 | 3.48 | 16.3 | 35.7 | 1200 | 23 | 2.37 | 7 | 1.7 | 2843 | 22 |
| 03-PAT-0497 | 375514 | 5266453 | 49.6 | 0.32 | N.D. | 1.37 | 5.97 | 32.8 | 82.9 | 7100 | 250 | 2.37 | 13 | 9.4 | 4445 | 124 |
| 03-PAT-0498 | 374718 | 5266277 | 52.7 | 0.36 | N.D. | 1.49 | 8.13 | 28.4 | 87.8 | 4599 | 171 | 3.33 | 10 | 9.7 | 2809 | 130 |
| 03-PAT-0499 | 373874 | 5266353 | 42.1 | 0.31 | N.D. | 1.53 | 10.29 | 26.7 | 84.1 | 15102 | 280 | 6.26 | 20 | 11.2 | 6197 | 264 |
| 03-PAT-0500 | 387234 | 5258161 | 44.1 | 0.17 | N.D. | 0.84 | 6.69 | 33.1 | 41.4 | 15650 | 209 | 1.52 | 18 | 6.9 | 4291 | 90 |
| 03-PAT-0501 | 387581 | 5256179 | 47.2 | 0.09 | N.D. | 0.72 | 3.51 | 20.8 | 23.8 | 6739 | 129 | 1.34 | 11 | 5.7 | 3359 | 44 |
| 03-PAT-0502 | 387890 | 5256645 | 59.1 | 0.10 | N.D. | 0.66 | 4.10 | 17.3 | 35.9 | 6419 | 324 | 1.27 | 14 | 6.7 | 3779 | 59 |
| 03-PAT-0503 | 387654 | 5257216 | 43.3 | 0.10 | N.D. | 0.53 | 3.35 | 21.8 | 27.9 | 7255 | 124 | 1.17 | 13 | 3.5 | 2710 | 47 |
| 03-PAT-0504 | 392496 | 5253272 | 36.1 | 0.06 | N.D. | 0.36 | 2.90 | 14.2 | 17.0 | 3916 | 71 | 1.06 | 10 | 3.5 | 2685 | 37 |
| 03-PAT-0506 | 392741 | 5253883 | 36.4 | 0.07 | N.D. | 0.43 | 4.18 | 17.9 | 26.6 | 5240 | 226 | 1.91 | 11 | 2.8 | 3208 | 58 |
| 03-PAT-0507 | 391536 | 5254486 | 46.2 | 0.22 | N.D. | 0.52 | 7.19 | 28.9 | 38.4 | 21426 | 457 | 3.06 | 14 | 6.7 | 3741 | 71 |
| 03-PAT-0508 | 391224 | 5253572 | 56.4 | 0.18 | N.D. | 0.59 | 2.86 | 16.9 | 56.5 | 5226 | 49 | 2.24 | 9 | 3.4 | 3224 | 48 |
| 03-PAT-0509 | 390898 | 5254222 | 45.0 | 0.11 | N.D. | 0.39 | 3.56 | 17.6 | 23.3 | 17135 | 130 | 1.60 | 11 | 5.5 | 3661 | 53 |
| 03-PAT-0511 | 390626 | 5254734 | 45.0 | 0.14 | N.D. | 0.64 | 2.17 | 10.8 | 35.6 | 2793 | 93 | 2.32 | 11 | 11.8 | 3670 | 50 |
| 03-PAT-0512 | 390908 | 5255520 | 40.0 | 0.09 | N.D. | 0.49 | 6.37 | 21.8 | 30.3 | 8260 | 295 | 1.48 | 15 | 3.2 | 3319 | 66 |
| 03-PAT-0513 | 391188 | 5257094 | 69.1 | 0.07 | N.D. | 0.79 | 3.85 | 23.1 | 12.2 | 4802 | 45 | 1.76 | 11 | 3.4 | 3003 | 41 |
| 03-PAT-0514 | 407396 | 5245347 | 37.8 | 0.12 | N.D. | 0.97 | 9.81 | 26.2 | 37.7 | 9258 | 190 | 1.43 | 45 | 8.6 | 3615 | 105 |
| 03-PAT-0516 | 407187 | 5246257 | 34.5 | 0.11 | N.D. | 0.57 | 9.14 | 37.0 | 31.9 | 10597 | 153 | 1.76 | 29 | 3.1 | 1878 | 83 |
| 03-PAT-0517 | 406777 | 5248401 | 18.6 | 0.07 | N.D. | 0.29 | 5.70 | 21.8 | 14.9 | 7604 | 106 | 0.46 | 16 | 3.4 | 1029 | 37 |
| 03-PAT-0518 | 406798 | 5248455 | 47.7 | 0.21 | N.D. | 0.53 | 5.48 | 22.9 | 38.1 | 10605 | 137 | 1.03 | 18 | 4.8 | 2832 | 48 |
| 03-PAT-0519 | 406766 | 5249118 | 38.6 | 0.15 | N.D. | 0.47 | 5.38 | 29.5 | 40.0 | 7193 | 76 | 0.87 | 21 | 3.3 | 1882 | 72 |
| 03-PAT-0520 | 406582 | 5249671 | 35.9 | 0.14 | N.D. | 0.49 | 4.83 | 24.8 | 28.0 | 10644 | 99 | 0.47 | 20 | 4.3 | 1854 | 51 |
| 03-PAT-0521 | 406364 | 5250402 | 34.1 | 0.16 | N.D. | 0.78 | 10.96 | 38.2 | 37.5 | 12592 | 436 | 1.23 | 45 | 4.9 | 1693 | 84 |
| 03-PAT-0522 | 405900 | 5250650 | 30.3 | 0.13 | N.D. | 0.67 | 8.33 | 34.4 | 30.9 | 10139 | 313 | 0.87 | 41 | 4.8 | 1547 | 69 |
| 03-PAT-0523 | 404930 | 5249810 | 27.0 | 0.08 | N.D. | 0.38 | 4.53 | 24.3 | 20.5 | 6819 | 156 | 0.65 | 25 | 3.8 | 1368 | 40 |
| 03-PAT-0524 | 404930 | 5249809 | 25.8 | 0.08 | N.D. | 0.42 | 5.52 | 31.9 | 31.0 | 8082 | 158 | 1.41 | 39 | 3.3 | 2238 | 77 |
| 03-PAT-0526 | 404950 | 5249212 | 33.9 | 0.09 | N.D. | 0.62 | 5.12 | 28.8 | 61.9 | 5836 | 120 | 0.69 | 32 | 7 | 1785 | 52 |
| 03-PAT-0529 | 405944 | 5247522 | 58.5 | 0.11 | N.D. | 0.65 | 5.95 | 29.3 | 33.9 | 5476 | 83 | 0.92 | 77 | 5.8 | 3257 | 51 |
| 03-PAT-0530 | 406456 | 5247522 | 36.6 | 0.10 | N.D. | 0.53 | 6.66 | 34.1 | 35.3 | 12689 | 330 | 1.48 | 68 | 4.4 | 2371 | 71 |
| 03-PAT-0531 | 406119 | 5247911 | 44.1 | 0.16 | N.D. | 0.90 | 9.38 | 44.1 | 54.2 | 7220 | 252 | 2.23 | 39 | 8.3 | 1989 | 47 |
| 03-PAT-0532 | 406221 | 5248660 | 42.7 | 0.14 | N.D. | 0.57 | 7.63 | 39.4 | 46.1 | 11092 | 190 | 0.90 | 171 | 4.6 | 2658 | 69 |
| 03-PAT-0533 | 406306 | 5249380 | 41.6 | 0.11 | N.D. | 0.55 | 10.93 | 45.6 | 46.4 | 12384 | 270 | 1.05 | 208 | 4.3 | 2760 | 78 |
| 03-PAT-0534 | 405738 | 5248882 | 47.0 | 0.14 | N.D. | 0.69 | 6.85 | 34.4 | 41.1 | 7709 | 192 | 0.66 | 91 | 3.4 | 2339 | 72 |
| 03-PAT-0536 | 405897 | 5244678 | 62.6 | 0.18 | N.D. | 0.59 | 4.52 | 29.8 | 37.9 | 12505 | 265 | 1.06 | 33 | 4.3 | 5122 | 77 |
| 03-PAT-0537 | 405487 | 5244979 | 51.0 | 0.18 | N.D. | 0.82 | 12.78 | 33.0 | 34.2 | 13403 | 691 | 1.51 | 30 | 14.6 | 3266 | 75 |
| 03-PAT-0538 | 405375 | 5246199 | 37.2 | 0.09 | N.D. | 0.53 | 7.09 | 38.0 | 27.6 | 9735 | 215 | 0.85 | 38 | 3.4 | 2093 | 89 |
| 03-PAT-0539 | 405359 | 5246813 | 36.7 | 0.08 | N.D. | 0.43 | 4.98 | 32.0 | 23.1 | 7800 | 155 | 0.51 | 30 | 4.2 | 1943 | 49 |
| 03-PAT-0540 | 404940 | 5247421 | 31.9 | 0.09 | N.D. | 0.45 | 5.04 | 30.5 | 21.9 | 8485 | 145 | 0.46 | 33 | 4.1 | 1568 | 63 |
| 03-PAT-0541 | 404887 | 5248136 | 37.9 | 0.11 | N.D. | 0.52 | 5.13 | 34.0 | 26.9 | 9255 | 133 | 0.51 | 40 | 6.5 | 2264 | 57 |
| 03-PAT-0542 | 404678 | 5248526 | 53.1 | 0.16 | N.D. | 0.79 | 6.23 | 36.6 | 41.7 | 8005 | 151 | 0.81 | 37 | 5.9 | 2888 | 51 |
| 03-PAT-0543 | 404017 | 5248944 | 35.6 | 0.10 | N.D. | 0.44 | 5.62 | 29.9 | 23.8 | 8685 | 154 | 0.50 | 29 | 3.5 | 1944 | 52 |
| 03-PAT-0544 | 403763 | 5249570 | 30.7 | 0.08 | N.D. | 0.47 | 5.36 | 31.0 | 22.1 | 8419 | 131 | 0.53 | 26 | 3 | 1638 | 72 |
| 03-PAT-0546 | 402736 | 5250685 | 55.4 | 0.20 | N.D. | 0.87 | 9.03 | 39.0 | 51.1 | 13418 | 774 | 1.63 | 19 | 5.6 | 3690 | 89 |
| 03-PAT-0547 | 402539 | 5251266 | 83.6 | 0.05 | INF | 1.04 | 0.93 | 9.4 | 17.7 | 6334 | 94 | 0.95 | 8 | 2.2 | 3400 | 148 |
| 03-PAT-0548 | 402191 | 5251445 | 62.3 | 0.26 | N.D. | 0.99 | 3.77 | 15.8 | 86.1 | 13054 | 159 | 2.96 | 16 | 3.5 | 5036 | 105 |
| 03-PAT-0549 | 374223 | 5281859 | 27.9 | 0.07 | N.D. | 0.69 | 4.82 | 23.4 | 20.2 | 8153 | 266 | 0.52 | 14 | 4.5 | 3119 | 63 |
| 03-PAT-0550 | 373735 | 5281803 | 39.3 | 0.13 | N.D. | 0.85 | 5.19 | 31.4 | 28.9 | 12710 | 251 | 0.69 | 18 | 7 | 3478 | 86 |
| 03-PAT-0551 | 374025 | 5284128 | 68.4 | 0.06 | N.D. | 0.72 | 4.75 | 11.5 | 16.9 | 2636 | 53 | 1.13 | 50 | 4 | 6733 | 71 |
| 03-PAT-0552 | 374660 | 5286991 | 43.5 | 0.31 | N.D. | 12.10 | 4.67 | 11.1 | 49.2 | 12619 | 106 | 0.48 | 20 | 57.9 | 13833 | >1000 |
| 03-PAT-0553 | 374226 | 5287222 | 62.3 | 0.23 | 4 | 5.86 | 6.30 | 13.0 | 84.2 | 11244 | 312 | 2.09 | 29 | 18.8 | 17575 | >1000 |
| 03-PAT-0554 | 374663 | 5287796 | 73.1 | 0.14 | 3 | 1.92 | 3.69 | 7.6 | 106 | 4218 | 57 | 2.42 | 23 | 6 | 12222 | 385 |
| 03-PAT-0556 | 373137 | 5288085 | 75.6 | 0.08 | N.D. | 0.67 | 1.95 | 6.1 | 48.5 | 2167 | 32 | 2.19 | 13 | 1.6 | 9225 | 176 |
| 03-PAT-0557 | 372906 | 5288922 | 56.1 | 0.07 | N.D. | 0.67 | 5.45 | 12.8 | 57.6 | 7007 | 170 | 1.14 | 17 | 5.8 | 8384 | 88 |
| 03-PAT-0558 | 372832 | 5289405 | 57.6 | 0.09 | N.D. | 0.65 | 6.23 | 11.1 | 85.2 | 2969 | 67 | 1.57 | 25 | 3 | 6698 | 73 |
| 03-PAT-0561 | 374574 | 5290866 | 54.2 | 0.05 | N.D. | 0.36 | 1.55 | 6.1 | 19.2 | 1591 | 34 | 1.79 | 9 | 1.9 | 4150 | 47 |
| 03-PAT-0562 | 374071 | 5290731 | 59.6 | 0.09 | N.D. | 0.60 | 4.08 | 9.6 | 42.4 | 2104 | 34 | 2.83 | 15 | 1.7 | 5922 | 69 |
| 03-PAT-0563 | 375043 | 5292320 | 82.2 | N.D. | INF | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 03-PAT-0564 | 372982 | 5292243 | 65.7 | 0.05 | N.D. | 0.38 | 2.98 | 17.0 | 20.8 | 7085 | 97 | 2.20 | 14 | 3.4 | 6015 | 46 |
| 03-PAT-0566 | 372261 | 5292759 | 42.6 | 0.06 | N.D. | 0.44 | 3.28 | 19.7 | 16.4 | 8812 | 120 | 1.27 | 14 | 11.2 | 5174 | 48 |

| Site | NAD 83 ZONE 17 |  | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> |  | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
|  | Detection Limit--> |  | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
|  | Units---------------> |  | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
|  | Easting | Northing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 03-PAT-0567 | 370979 | 5292403 | 56.7 | 0.06 | N.D. | 0.30 | 3.54 | 17.6 | 20.7 | 7453 | 110 | 1.63 | 15 | 5.2 | 4658 | 45 |
| 03-PAT-0568 | 369520 | 5292462 | 81.5 | N.D. | INF | 0.21 | 1.18 | 8.3 | 12.8 | 6447 | 58 | 3.21 | 9 | 1.5 | 7607 | 43 |
| 03-PAT-0569 | 373284 | 5293693 | 59.4 | 0.06 | N.D. | 0.45 | 2.77 | 15.9 | 18.6 | 6463 | 108 | 1.59 | 13 | 12.6 | 5458 | 44 |
| 03-PAT-0571 | 374284 | 5295560 | 42.2 | 0.06 | N.D. | 0.37 | 2.41 | 10.8 | 27.4 | 2633 | 107 | 1.12 | 10 | 2.7 | 3872 | 47 |
| 03-PAT-0572 | 370996 | 5295108 | 72.2 | 0.06 | N.D. | 0.62 | 2.41 | 11.7 | 16.6 | 3883 | 65 | 1.02 | 13 | 4.3 | 5613 | 69 |
| 03-PAT-0573 | 370160 | 5295245 | 81.8 | 0.05 | N.D. | 0.53 | 2.75 | 9.1 | 20.9 | 2786 | 97 | 1.85 | 13 | 2.9 | 5707 | 61 |
| 03-PAT-0574 | 371371 | 5296249 | 68.0 | 0.04 | N.D. | 0.48 | 2.21 | 10.7 | 23.8 | 2262 | 27 | 2.13 | 18 | 2 | 3965 | 63 |
| 03-PAT-0576 | 370718 | 5296148 | 75.6 | N.D. | N.D. | 0.49 | 3.45 | 8.3 | 15.8 | 2771 | 35 | 1.32 | 18 | 4 | 3924 | 34 |
| 03-PAT-0577 | 370039 | 5296302 | 76.9 | 0.04 | INF | 0.39 | 2.74 | 8.3 | 28.1 | 3018 | 48 | 2.09 | 11 | 1.9 | 7294 | 58 |
| 03-PAT-0578 | 373618 | 5297766 | 60.5 | 0.06 | N.D. | 0.80 | 3.91 | 16.1 | 22.6 | 5635 | 204 | 0.68 | 11 | 4.3 | 3982 | 78 |
| 03-PAT-0579 | 372703 | 5298066 | 73.3 | 0.09 | N.D. | 0.58 | 3.68 | 11.7 | 51.1 | 3663 | 90 | 2.67 | 18 | 10.7 | 8325 | 77 |
| 03-PAT-0580 | 372403 | 5297706 | 70.8 | 0.05 | N.D. | 0.47 | 2.94 | 11.7 | 32.3 | 6078 | 73 | 1.91 | 20 | 3.4 | 8737 | 62 |
| 03-PAT-0581 | 371652 | 5298089 | 45.2 | 0.10 | N.D. | 0.53 | 5.00 | 22.1 | 35.5 | 9959 | 255 | 0.75 | 19 | 4.7 | 4123 | 78 |
| 03-PAT-0582 | 375431 | 5298695 | 71.7 | N.D. | N.D. | 0.41 | 2.41 | 9.8 | 30.5 | 5541 | 60 | 3.44 | 10 | 1.7 | 10623 | 66 |
| 03-PAT-0583 | 375129 | 5298867 | 26.0 | N.D. | N.D. | 0.36 | 2.85 | 13.6 | 13.5 | 7444 | 278 | 0.86 | 11 | 5.5 | 3965 | 41 |
| 03-PAT-0584 | 373897 | 5298738 | 64.5 | 0.07 | N.D. | 0.42 | 2.67 | 10.2 | 40.1 | 2156 | 59 | 1.88 | 11 | 2.1 | 6349 | 64 |
| 03-PAT-0586 | 373331 | 5298699 | 69.2 | 0.08 | N.D. | 0.48 | 2.24 | 11.6 | 40.1 | 2256 | 25 | 1.54 | 14 | 1.8 | 6380 | 48 |
| 03-PAT-0587 | 372184 | 5298946 | 59.2 | 0.09 | N.D. | 0.50 | 2.99 | 10.3 | 51.0 | 2812 | 43 | 1.35 | 17 | 1.5 | 4281 | 51 |
| 03-PAT-0588 | 371568 | 5298844 | 36.4 | 0.08 | N.D. | 0.47 | 3.79 | 18.8 | 22.6 | 7952 | 250 | 0.45 | 13 | 6.5 | 2682 | 62 |
| 03-PAT-0589 | 369978 | 5299291 | 65.4 | 0.07 | N.D. | 0.51 | 2.33 | 7.1 | 22.6 | 1600 | 43 | 0.66 | 11 | 3.1 | 3497 | 44 |
| 03-PAT-0590 | 372262 | 5299611 | 57.5 | 0.06 | N.D. | 0.43 | 2.57 | 7.4 | 35.1 | 1812 | 33 | 1.13 | 15 | 1.5 | 4197 | 48 |
| 03-PAT-0591 | 371637 | 5299596 | 69.0 | 0.05 | N.D. | 0.36 | 2.22 | 5.3 | 27.7 | 1815 | 94 | 0.78 | 11 | 1.1 | 5702 | 47 |
| 03-PAT-0592 | 371617 | 5299912 | 50.2 | 0.13 | N.D. | 0.47 | 5.36 | 14.0 | 70.3 | 8008 | 40 | 1.10 | 18 | 2.4 | 10512 | 54 |
| 03-PAT-0593 | 372354 | 5302718 | 45.1 | 0.20 | N.D. | 0.98 | 11.01 | 24.1 | 128 | 15248 | 272 | 1.45 | 28 | 9.2 | 5169 | 159 |
| 03-PAT-0594 | 371953 | 5302723 | 78.9 | 0.05 | N.D. | 0.46 | 2.11 | 7.3 | 24.6 | 1690 | 35 | 2.91 | 14 | 1.4 | 4605 | 65 |
| 03-PAT-0596 | 371909 | 5303252 | 64.2 | N.D. | N.D. | 0.30 | 1.55 | 4.7 | 17.4 | 931 | 27 | 2.93 | 9 | 1 | 6484 | 38 |
| 03-PAT-0597 | 370781 | 5303637 | 82.6 | 0.07 | INF | 0.76 | 4.44 | 9.8 | 20.2 | 3632 | 65 | 1.64 | 15 | 1.8 | 4336 | 90 |
| 03-PAT-0600 | 373310 | 5306877 | 39.3 | 0.11 | N.D. | 0.56 | 3.85 | 26.6 | 26.4 | 8136 | 173 | 1.07 | 22 | 7.2 | 3222 | 63 |
| 03-PAT-0601 | 372253 | 5306892 | 46.4 | N.D. | N.D. | 0.36 | 1.39 | 10.1 | 23.1 | 1933 | 32 | 1.65 | 19 | 2.9 | 3923 | 36 |
| 03-PAT-0602 | 376280 | 5308289 | 49.6 | N.D. | N.D. | 0.44 | 1.28 | 8.6 | 39.4 | 1940 | 69 | 8.12 | 36 | 1.4 | 6489 | 43 |
| 03-PAT-0603 | 375598 | 5308732 | 45.7 | 0.09 | N.D. | 0.49 | 3.50 | 22.0 | 45.1 | 3182 | 54 | 0.67 | 27 | 3.6 | 3830 | 38 |
| 03-PAT-0604 | 374482 | 5308115 | 43.8 | 0.10 | 4 | 0.46 | 2.90 | 20.9 | 105 | 4379 | 54 | 4.16 | 25 | 3.7 | 5559 | 44 |
| 03-PAT-0606 | 373729 | 5308003 | 44.8 | 0.09 | N.D. | 0.56 | 3.42 | 17.7 | 25.4 | 5804 | 111 | 0.60 | 17 | 4.8 | 2902 | 57 |
| 03-PAT-0607 | 374310 | 5308699 | 42.2 | 0.21 | N.D. | 0.78 | 4.72 | 21.3 | 57.9 | 6359 | 162 | 1.46 | 16 | 13 | 4008 | 79 |
| 03-PAT-0608 | 374423 | 5309428 | 37.7 | 0.20 | N.D. | 0.75 | 5.68 | 19.7 | 50.4 | 8887 | 220 | 1.27 | 16 | 21 | 4157 | 81 |
| 03-PAT-0609 | 374750 | 5309538 | 78.2 | N.D. | N.D. | 0.37 | 1.72 | 1.7 | 11.3 | 1203 | 27 | 1.02 | 11 | 1.3 | 3138 | 26 |
| 03-PAT-0610 | 372107 | 5310261 | 12.8 | N.D. | N.D. | 0.22 | 2.26 | 8.8 | 7.8 | 3972 | 61 | 0.25 | 8 | 2.8 | 1334 | 25 |
| 03-PAT-0611 | 371575 | 5309514 | 34.2 | 0.07 | N.D. | 0.70 | 4.22 | 17.0 | 17.8 | 5399 | 87 | 0.58 | 12 | 8 | 2562 | 46 |
| 03-PAT-0612 | 370965 | 5309043 | 32.4 | 0.08 | N.D. | 0.62 | 3.34 | 17.1 | 16.2 | 6235 | 120 | 0.48 | 12 | 9.5 | 2434 | 56 |
| 03-PAT-0613 | 387242 | 5272509 | 31.1 | N.D. | N.D. | 0.30 | 1.30 | 8.6 | 4.3 | 2220 | 26 | 0.26 | 7 | 2.5 | 789 | 32 |
| 03-PAT-0614 | 387233 | 5272767 | 79.2 | 0.06 | N.D. | 0.86 | 2.56 | 12.4 | 12.8 | 1918 | 74 | 0.69 | 7 | 3.3 | 1813 | 42 |
| 03-PAT-0616 | 390460 | 5267679 | 44.5 | 0.06 | N.D. | 0.26 | 2.48 | 36.4 | 29.8 | 6501 | 40 | 2.24 | 11 | 2.9 | 9271 | 26 |
| 03-PAT-0617 | 390547 | 5268198 | 53.4 | 0.05 | N.D. | 0.44 | 2.49 | 31.2 | 20.3 | 6392 | 52 | 2.13 | 8 | 11.7 | 7945 | 39 |
| 03-PAT-0618 | 388931 | 5267983 | 39.1 | 0.05 | N.D. | 0.32 | 3.35 | 32.6 | 24.5 | 4403 | 44 | 2.30 | 9 | 3.6 | 4812 | 29 |
| 03-PAT-0619 | 389100 | 5268494 | 40.6 | 0.11 | N.D. | 0.74 | 8.67 | 29.1 | 40.8 | 11322 | 166 | 1.35 | 21 | 3.2 | 4400 | 94 |
| 03-PAT-0620 | 393867 | 5269548 | 25.0 | N.D. | N.D. | 0.25 | 2.32 | 14.1 | 7.2 | 4065 | 38 | 0.38 | 12 | 3 | 1005 | 47 |
| 03-PAT-0621 | 393403 | 5270128 | 79.6 | 0.05 | N.D. | 0.59 | 0.82 | 8.1 | 11.0 | 2147 | 22 | 3.68 | 5 | 1.8 | 7013 | 72 |
| 03-PAT-0622 | 396306 | 5266697 | 72.4 | 0.06 | N.D. | 0.52 | 3.84 | 9.0 | 14.3 | 6830 | 110 | 0.94 | 10 | 4.5 | 3290 | 65 |
| 03-PAT-0624 | 397488 | 5268454 | 55.1 | 0.16 | N.D. | 0.56 | 4.55 | 9.2 | 34.3 | 9886 | 105 | 1.50 | 14 | 2.7 | 6576 | 68 |
| 03-PAT-0627 | 403485 | 5262432 | 90.6 | 0.07 | INF | 1.06 | 0.86 | 4.6 | 11.8 | 1954 | 203 | 0.59 | 6 | 2.5 | 2772 | 206 |
| 03-PAT-0628 | 404400 | 5262883 | 88.8 | 0.08 | INF | 0.96 | 1.19 | 8.1 | 10.7 | 2348 | 204 | 0.68 | 7 | 6.2 | 2867 | 94 |
| 03-PAT-0629 | 404043 | 5264046 | 56.7 | 0.20 | N.D. | 0.83 | 8.08 | 63.3 | 60.3 | 63462 | 817 | 4.26 | 20 | 6.3 | 5678 | 104 |
| 03-PAT-0630 | 404362 | 5264590 | 55.4 | 0.17 | N.D. | 0.63 | 10.46 | 54.4 | 48.2 | 107179 | 1882 | 6.12 | 21 | 4.2 | 11902 | 101 |
| 03-PAT-0631 | 404044 | 5264747 | 57.8 | 0.14 | INF | 0.69 | 10.70 | 43.3 | 51.9 | 47726 | 712 | 8.87 | 23 | 4.1 | 13614 | 103 |
| 03-PAT-0632 | 405144 | 5264929 | 71.1 | 0.16 | N.D. | 0.68 | 12.62 | 19.2 | 37.1 | 33250 | 351 | 2.67 | 17 | 3.5 | 4263 | 120 |
| 03-PAT-0633 | 405061 | 5264122 | 70.8 | 0.09 | N.D. | 0.63 | 4.33 | 12.1 | 17.6 | 4759 | 57 | 2.65 | 10 | 3 | 3766 | 85 |
| 03-PAT-0634 | 405281 | 5263111 | 69.2 | 0.08 | 4 | 0.47 | 3.73 | 21.7 | 29.7 | 12624 | 114 | 9.34 | 10 | 13.7 | 17463 | 44 |
| 03-PAT-0636 | 405484 | 5262756 | 71.0 | 0.14 | 4 | 0.62 | 4.51 | 17.3 | 26.2 | 6473 | 131 | 1.83 | 14 | 4.5 | 4532 | 104 |
| 03-PAT-0637 | 405793 | 5263207 | 74.2 | N.D. | N.D. | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |

| Site | NAD 83 ZONE 17 |  | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> |  | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
|  | Detection Limit--> |  | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
|  | Units---------------> |  | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
|  | Easting | Northing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 03-PAT-0638 | 406247 | 5263080 | 87.4 | 0.09 | N.D. | 1.46 | 15.38 | 15.3 | 16.7 | 10150 | 129 | 1.72 | 13 | 3.5 | 3345 | 280 |
| 03-PAT-0639 | 406408 | 5263419 | 77.2 | 0.07 | N.D. | 0.58 | 3.42 | 6.9 | 11.3 | 8921 | 146 | 2.08 | 8 | 3.5 | 5059 | 68 |
| 03-PAT-0640 | 405996 | 5263696 | 70.8 | 0.12 | N.D. | 0.75 | 3.30 | 9.2 | 14.3 | 7616 | 353 | 1.70 | 9 | 4.4 | 3915 | 100 |
| 03-PAT-0641 | 406109 | 5264254 | 67.3 | 0.14 | N.D. | 0.35 | 5.24 | 17.6 | 47.1 | 41540 | 1453 | 1.20 | 18 | 5 | 4537 | 52 |
| 03-PAT-0642 | 405812 | 5263944 | 70.5 | 0.07 | INF | 0.37 | 3.33 | 16.2 | 17.7 | 11705 | 144 | 4.27 | 9 | 2.3 | 13973 | 49 |
| 03-PAT-0643 | 406565 | 5264658 | 73.2 | 0.07 | N.D. | 0.52 | 3.84 | 5.5 | 15.6 | 2239 | 77 | 1.75 | 10 | 2.6 | 4025 | 67 |
| 03-PAT-0644 | 407076 | 5264958 | 60.8 | 0.08 | N.D. | 0.57 | 4.26 | 11.2 | 24.2 | 12385 | 140 | 2.22 | 11 | 2.9 | 5730 | 59 |
| 03-PAT-0646 | 406071 | 5265079 | 52.6 | 0.05 | N.D. | 0.30 | 1.56 | 6.2 | 16.4 | 870 | 11 | 2.88 | 3 | 0.9 | 2371 | 19 |
| 03-PAT-0648 | 405044 | 5269320 | 65.9 | 0.15 | INF | 0.61 | 5.70 | 24.1 | 45.9 | 21620 | 124 | 10.11 | 19 | 3.4 | 23274 | 67 |
| 03-PAT-0649 | 404234 | 5269579 | 58.8 | 0.05 | N.D. | 0.42 | 2.15 | 12.6 | 20.4 | 7770 | 55 | 4.21 | 8 | 4.6 | 11191 | 45 |
| 03-PAT-0650 | 404132 | 5270534 | 95.3 | 0.10 | INF | 0.69 | 1.37 | 7.0 | 11.1 | 2250 | 272 | 0.81 | 8 | 7.6 | 3126 | 89 |
| 03-PAT-0651 | 404319 | 5270717 | 91.1 | 0.06 | INF | 0.50 | 0.68 | 4.3 | 8.4 | 1754 | 191 | 0.63 | 4 | 1.6 | 2681 | 64 |
| 03-PAT-0652 | 403882 | 5270588 | 65.7 | 0.13 | INF | 0.58 | 1.96 | 16.6 | 23.4 | 8856 | 157 | 4.98 | 12 | 8.5 | 7625 | 67 |
| 03-PAT-0653 | 403597 | 5270641 | 76.8 | 0.10 | N.D. | 0.59 | 4.38 | 14.1 | 28.6 | 3206 | 103 | 2.80 | 14 | 2.8 | 4556 | 98 |
| 03-PAT-0654 | 403256 | 5271050 | 57.7 | 0.05 | N.D. | 0.41 | 2.64 | 10.1 | 18.9 | 12013 | 78 | 3.78 | 12 | 2 | 9272 | 57 |
| 03-PAT-0658 | 406744 | 5273221 | 13.5 | N.D. | N.D. | 0.39 | 13.00 | 15.9 | 10.5 | 10381 | 315 | 0.76 | 12 | 2.6 | 4223 | 56 |
| 03-PAT-0660 | 406250 | 5274500 | 19.6 | 0.16 | 16 | 0.76 | 14.13 | 52.9 | 21.7 | 33210 | 669 | 22.88 | 25 | 13.1 | 1182 | 115 |
| 03-PAT-0662 | 405450 | 5275943 | 21.0 | 0.12 | 9 | 0.57 | 11.05 | 43.7 | 16.6 | 30888 | 660 | 7.24 | 25 | 8.5 | 1317 | 118 |
| 03-PAT-0663 | 392269 | 5291446 | 52.9 | 0.06 | N.D. | 0.46 | 4.33 | 18.5 | 18.8 | 44067 | 970 | 2.19 | 14 | 2.9 | 9529 | 97 |
| 03-PAT-0664 | 392148 | 5291026 | 43.0 | 0.05 | N.D. | 0.56 | 5.43 | 34.5 | 18.3 | 30011 | 335 | 0.95 | 18 | 5.9 | 4142 | 79 |
| 03-PAT-0666 | 392142 | 5290295 | 35.6 | 0.05 | N.D. | 0.51 | 5.08 | 30.1 | 15.6 | 23149 | 334 | 1.08 | 14 | 3.2 | 3458 | 65 |
| 03-PAT-0667 | 390720 | 5290423 | 69.2 | 0.05 | INF | 0.34 | 2.65 | 21.1 | 21.2 | 11528 | 117 | 2.70 | 11 | 4.8 | 10089 | 45 |
| 03-PAT-0668 | 398555 | 5293847 | 76.3 | 0.07 | INF | 0.44 | 1.01 | 5.8 | 13.0 | 3293 | 71 | 0.72 | 7 | 9.8 | 11074 | 49 |
| 03-PAT-0669 | 404126 | 5291609 | 61.4 | 0.14 | N.D. | 0.76 | 4.31 | 21.7 | 43.4 | 9517 | 309 | 0.98 | 15 | 3.8 | 4058 | 64 |
| 03-PAT-0670 | 404556 | 5292304 | 64.7 | 0.11 | INF | 0.64 | 4.54 | 20.7 | 49.0 | 6521 | 82 | 1.51 | 18 | 7.6 | 5802 | 66 |
| 03-PAT-0671 | 404633 | 5293741 | 64.4 | 0.09 | N.D. | 0.53 | 4.96 | 19.0 | 48.2 | 7574 | 121 | 0.66 | 21 | 4 | 5902 | 79 |
| 03-PAT-0672 | 404952 | 5295517 | 61.0 | 0.08 | N.D. | 0.47 | 3.28 | 11.9 | 43.2 | 2771 | 42 | 2.01 | 14 | 3 | 5167 | 52 |
| 03-PAT-0673 | 405927 | 5296643 | 41.5 | 0.09 | N.D. | 0.62 | 4.90 | 19.2 | 30.5 | 6382 | 95 | 1.58 | 19 | 3.5 | 3018 | 61 |
| 03-PAT-0674 | 406794 | 5298132 | 59.6 | 0.07 | N.D. | 0.63 | 4.95 | 15.4 | 29.0 | 5468 | 116 | 2.31 | 18 | 2.9 | 4800 | 64 |
| 03-PAT-0676 | 408470 | 5297825 | 43.8 | 0.08 | N.D. | 0.40 | 3.65 | 30.5 | 31.7 | 3494 | 56 | 1.61 | 16 | 2.6 | 2773 | 38 |
| 03-PAT-0677 | 408810 | 5298910 | 48.3 | 0.07 | N.D. | 0.67 | 4.22 | 19.2 | 47.9 | 5202 | 94 | 1.94 | 27 | 4 | 4576 | 82 |
| 03-PAT-0678 | 410030 | 5296551 | 44.8 | 0.11 | N.D. | 0.55 | 2.97 | 21.3 | 62.9 | 6839 | 78 | 2.51 | 29 | 8.2 | 7679 | 99 |
| 03-PAT-0680 | 421488 | 5291412 | 37.7 | 0.12 | N.D. | 0.61 | 3.78 | 14.7 | 44.3 | 3866 | 66 | 1.36 | 14 | 7.7 | 3272 | 55 |
| 03-PAT-0681 | 423034 | 5291821 | 46.7 | 0.17 | N.D. | 0.70 | 6.88 | 26.1 | 37.2 | 7554 | 104 | 1.51 | 20 | 5.7 | 3567 | 82 |
| 03-PAT-0682 | 422809 | 5291464 | 65.1 | 0.10 | N.D. | 0.42 | 2.31 | 9.7 | 34.8 | 1397 | 27 | 2.01 | 13 | 5 | 3012 | 36 |
| 03-PAT-0683 | 424175 | 5290100 | 40.0 | 0.13 | N.D. | 1.15 | 9.10 | 26.1 | 42.8 | 16228 | 335 | 1.01 | 21 | 15 | 4127 | 136 |
| 03-PAT-0684 | 424797 | 5290287 | 46.4 | 0.10 | N.D. | 0.63 | 5.37 | 19.6 | 29.3 | 10622 | 124 | 1.14 | 20 | 4.7 | 4110 | 75 |
| 03-PAT-0686 | 424805 | 5291145 | 41.8 | 0.08 | N.D. | 0.42 | 4.50 | 23.5 | 42.8 | 6298 | 80 | 1.13 | 19 | 4.3 | 4530 | 55 |
| 03-PAT-0687 | 424487 | 5291795 | 45.5 | 0.18 | N.D. | 0.74 | 6.40 | 31.6 | 47.2 | 10640 | 224 | 1.20 | 21 | 7.7 | 3714 | 92 |
| 03-PAT-0688 | 424088 | 5293332 | 39.9 | 0.18 | N.D. | 0.63 | 6.04 | 31.5 | 49.2 | 10752 | 180 | 1.19 | 20 | 7 | 3296 | 97 |
| 03-PAT-0690 | 423794 | 5294673 | 42.5 | 0.16 | N.D. | 0.48 | 5.43 | 23.0 | 40.2 | 9032 | 133 | 0.74 | 20 | 10.4 | 3876 | 67 |
| 03-PAT-0691 | 422750 | 5295251 | 40.5 | 0.15 | N.D | 0.65 | 9.73 | 53.1 | 46.6 | 19600 | 315 | 4.17 | 75 | 7.2 | 3595 | 118 |
| 03-PAT-0692 | 424133 | 5296234 | 34.4 | 0.12 | N.D. | 0.40 | 2.09 | 11.1 | 37.2 | 1768 | 24 | 1.62 | 13 | 5.9 | 3050 | 20 |
| 03-PAT-0693 | 424032 | 5296477 | 45.5 | 0.16 | N.D. | 0.50 | 2.08 | 12.1 | 39.5 | 4422 | 60 | 2.55 | 14 | 4 | 3626 | 55 |
| 03-PAT-0694 | 424210 | 5296855 | 48.0 | 0.17 | N.D. | 0.68 | 3.04 | 18.2 | 39.2 | 4587 | 78 | 2.44 | 16 | 4.3 | 3088 | 66 |
| 03-PAT-0696 | 423454 | 5297576 | 41.3 | 0.14 | N.D. | 0.41 | 2.78 | 14.4 | 33.9 | 2588 | 31 | 1.37 | 17 | 3.8 | 2736 | 42 |
| 03-PAT-0697 | 423318 | 5297805 | 40.8 | 0.09 | N.D. | 0.35 | 2.26 | 11.0 | 24.7 | 2803 | 32 | 1.16 | 15 | 3.7 | 2785 | 35 |
| 03-PAT-0698 | 423463 | 5298130 | 42.5 | 0.10 | N.D. | 0.42 | 3.10 | 16.2 | 27.7 | 3061 | 34 | 1.36 | 19 | 5.4 | 3128 | 42 |
| 03-PAT-0700 | 422895 | 5298815 | 52.5 | 0.20 | N.D. | 0.62 | 4.03 | 19.1 | 35.6 | 8052 | 93 | 2.57 | 18 | 10.2 | 3465 | 56 |
| 03-PAT-0703 | 422529 | 5296293 | 34.3 | 0.13 | N.D. | 0.47 | 7.53 | 32.4 | 33.3 | 10352 | 118 | 2.14 | 31 | 5 | 3195 | 78 |
| 03-PAT-0704 | 422162 | 5294398 | 52.0 | 0.20 | N.D. | 0.65 | 5.11 | 50.3 | 48.0 | 9119 | 79 | 2.57 | 63 | 17.2 | 4799 | 106 |
| 03-PAT-0707 | 421311 | 5293762 | 47.6 | 0.24 | N.D. | 0.63 | 10.41 | 23.6 | 62.0 | 7855 | 215 | 1.32 | 10 | 14.8 | 2172 | 55 |
| 03-PAT-0708 | 421152 | 5294944 | 45.9 | 0.28 | N.D. | 0.78 | 3.73 | 13.7 | 65.5 | 2669 | 34 | 7.87 | 16 | 12 | 3803 | 74 |
| 03-PAT-0709 | 420559 | 5295240 | 33.0 | 0.13 | N.D. | 0.72 | 7.97 | 13.6 | 23.4 | 6794 | 122 | 3.33 | 15 | 18.6 | 3015 | 56 |
| 03-PAT-0710 | 419964 | 5295313 | 73.6 | 0.19 | N.D. | 0.62 | 3.47 | 14.1 | 48.3 | 7422 | 130 | 4.71 | 18 | 6.6 | 5859 | 79 |
| 03-PAT-0711 | 419227 | 5295202 | 40.6 | 0.06 | N.D. | 0.27 | 1.15 | N.D. | 27.0 | 701 | 12 | 5.36 | 11 | 2.9 | 2674 | 23 |
| 03-PAT-0712 | 420086 | 5296535 | 44.5 | 0.21 | N.D. | 0.81 | 4.89 | 24.2 | 43.5 | 4998 | 88 | 3.01 | 16 | 7.5 | 2558 | 67 |
| 03-PAT-0716 | 417340 | 5299008 | 50.4 | 0.05 | N.D. | 0.43 | 3.26 | 8.7 | 25.2 | 3175 | 29 | 1.44 | 16 | 2.3 | 5453 | 55 |
| 03-PAT-0717 | 416925 | 5299393 | 71.9 | 0.04 | INF | 0.37 | 2.97 | 8.9 | 31.5 | 2492 | 48 | 2.05 | 15 | 1.5 | 5851 | 55 |

| Site | NAD 83 ZONE 17 |  | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> |  | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
|  | Detection Limit--> |  | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
|  | Units---------------> |  | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
|  | Easting | Northing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 03-PAT-0719 | 412648 | 5299210 | 54.0 | 0.04 | N.D. | 0.33 | 2.00 | 4.6 | 42.3 | 1061 | 21 | 2.10 | 39 | 1.6 | 6050 | 52 |
| 03-PAT-0720 | 409387 | 5297620 | 36.3 | 0.18 | N.D. | 0.89 | 3.14 | 8.1 | 80.8 | 2525 | 36 | 0.77 | 25 | 4 | 4460 | 78 |
| 03-PAT-0721 | 398741 | 5293404 | 26.0 | 0.09 | 5 | 0.33 | 2.88 | 13.3 | 9.8 | 5634 | 94 | 0.27 | 11 | 3.2 | 4196 | 25 |
| 03-PAT-0722 | 388500 | 5290025 | 47.6 | 0.13 | N.D. | 0.47 | 8.77 | 85.6 | 64.8 | >135000 | 775 | 2.35 | 27 | 5.1 | 8512 | 57 |
| 03-PAT-0723 | 388399 | 5290372 | 61.4 | 0.06 | N.D. | 0.56 | 3.97 | 15.9 | 32.9 | 3272 | 58 | 0.90 | 17 | 3.9 | 4483 | 75 |
| 03-PAT-0724 | 388315 | 5290693 | 43.3 | 0.06 | N.D. | 0.48 | 2.58 | 11.5 | 17.9 | 3064 | 37 | 0.49 | 13 | 3.5 | 2814 | 49 |
| 03-PAT-0726 | 382432 | 5284071 | 44.8 | N.D. | N.D. | 0.51 | 1.20 | 7.6 | 12.3 | 2201 | 23 | 0.36 | 9 | 4.6 | 4963 | 47 |
| 03-PAT-0727 | 381169 | 5283896 | 72.4 | 0.06 | INF | 0.66 | 2.27 | 11.2 | 11.2 | 2218 | 62 | 0.88 | 10 | 2.9 | 2656 | 106 |
| 03-PAT-0728 | 379879 | 5264180 | 65.9 | 0.07 | N.D. | 1.17 | 4.67 | 12.3 | 35.0 | 17659 | 434 | 1.55 | 21 | 6.3 | 5081 | 97 |
| 03-PAT-0729 | 378564 | 5264350 | 46.0 | 0.16 | N.D. | 1.04 | 5.23 | 16.1 | 72.6 | 5462 | 163 | 1.91 | 17 | 6.8 | 3891 | 106 |
| 03-PAT-0730 | 379032 | 5264564 | 50.2 | 0.17 | N.D. | 0.81 | 2.53 | 7.2 | 128 | 1458 | 60 | 2.56 | 14 | 3 | 4571 | 77 |
| 03-PAT-0731 | 379296 | 5266309 | 48.8 | 0.08 | N.D. | 0.60 | 5.17 | 17.7 | 29.3 | 10212 | 287 | 0.66 | 18 | 4.7 | 3039 | 64 |
| 03-PAT-0732 | 379427 | 5266906 | 44.8 | 0.07 | N.D. | 0.51 | 6.16 | 20.3 | 25.4 | 13668 | 362 | 1.11 | 18 | 4 | 2866 | 63 |
| 03-PAT-0733 | 394689 | 5255785 | 46.0 | 0.13 | N.D. | 0.50 | 3.90 | 24.8 | 46.6 | 4575 | 66 | 7.13 | 13 | 3.4 | 3541 | 42 |
| 03-PAT-0734 | 394328 | 5257571 | 38.3 | 0.06 | N.D. | 0.38 | 1.35 | 8.8 | 13.6 | 1255 | 17 | 2.18 | 7 | 4.2 | 2403 | 25 |
| 03-PAT-0736 | 396003 | 5255705 | 16.5 | N.D. | N.D. | 0.22 | 2.05 | 12.1 | 9.7 | 4154 | 49 | 0.57 | 11 | 4.5 | 1377 | 29 |
| 03-PAT-0737 | 396080 | 5256092 | 42.6 | 0.07 | N.D. | 0.48 | 3.65 | 9.3 | 33.6 | 2882 | 40 | 1.42 | 15 | 2 | 3564 | 53 |
| 03-PAT-0738 | 398151 | 5254632 | 35.4 | 0.23 | N.D. | 0.62 | 3.62 | 15.8 | 48.5 | 8751 | 95 | 2.69 | 16 | 3.2 | 3732 | 68 |
| 03-PAT-0739 | 399037 | 5250591 | 46.4 | 0.12 | N.D. | 0.53 | 2.40 | 20.7 | 21.2 | 8550 | 121 | 1.25 | 13 | 5.8 | 2798 | 55 |
| 03-PAT-0740 | 398705 | 5251072 | 50.6 | 0.14 | N.D. | 0.65 | 3.39 | 23.7 | 24.3 | 8974 | 139 | 1.34 | 14 | 5.2 | 3271 | 71 |
| 03-PAT-0741 | 398243 | 5250897 | 53.6 | 0.16 | N.D. | 0.50 | 5.64 | 30.5 | 25.9 | 19024 | 366 | 1.16 | 17 | 5.9 | 3561 | 65 |
| 03-PAT-0742 | 398170 | 5251241 | 42.9 | 0.09 | N.D. | 0.65 | 5.70 | 27.8 | 23.1 | 8135 | 175 | 0.97 | 19 | 3.9 | 2753 | 81 |
| 03-PAT-0743 | 400211 | 5248193 | 54.2 | 0.23 | N.D. | 0.66 | 3.26 | 25.1 | 41.2 | 6358 | 85 | 1.27 | 14 | 4.3 | 3232 | 63 |
| 03-PAT-0744 | 400189 | 5248841 | 47.7 | 0.23 | N.D. | 0.30 | 6.67 | 59.5 | 43.6 | 169797 | 455 | 1.48 | 25 | 4.9 | 10087 | 75 |
| 03-PAT-0746 | 399970 | 5248941 | 47.3 | 0.16 | N.D. | 0.49 | 6.90 | 23.9 | 38.0 | 31492 | 152 | 1.71 | 16 | 5.3 | 4448 | 74 |
| 03-PAT-0747 | 400040 | 5249570 | 55.4 | 0.31 | N.D. | 0.49 | 26.84 | 26.1 | 65.6 | 158375 | 1011 | 1.30 | 34 | 3.8 | 4370 | 106 |
| 03-PAT-0749 | 413079 | 5237258 | 53.4 | 0.13 | N.D. | 0.55 | 4.53 | 12.4 | 37.4 | 10050 | 136 | 2.09 | 11 | 3.1 | 7421 | 76 |
| 03-PAT-0751 | 414091 | 5244018 | 45.3 | 0.12 | N.D. | 0.37 | 2.27 | 14.3 | 20.5 | 7457 | 69 | 0.84 | 11 | 3.6 | 2604 | 30 |
| 03-PAT-0752 | 413768 | 5244228 | 45.5 | 0.14 | N.D. | 0.47 | 2.66 | 19.5 | 21.7 | 6285 | 56 | 0.67 | 13 | 3.5 | 2328 | 32 |
| 03-PAT-0753 | 415641 | 5244576 | 73.7 | 0.10 | N.D. | 0.85 | 2.54 | 13.3 | 28.5 | 12008 | 100 | 1.21 | 12 | 2.7 | 3897 | 117 |
| 03-PAT-0754 | 415023 | 5245627 | 56.5 | 0.28 | N.D. | 0.67 | 2.39 | 15.9 | 45.6 | 10306 | 108 | 1.57 | 13 | 3.4 | 3742 | 83 |
| 03-PAT-0756 | 414539 | 5246085 | 59.1 | 0.17 | N.D. | 0.60 | 3.74 | 16.9 | 32.4 | 14090 | 131 | 1.59 | 15 | 2.8 | 4719 | 81 |
| 03-PAT-0757 | 414271 | 5246273 | 55.9 | 0.13 | N.D. | 0.83 | 3.91 | 22.4 | 32.3 | 5564 | 92 | 0.79 | 14 | 2.5 | 3382 | 97 |
| 03-PAT-0758 | 413809 | 5245535 | 25.0 | 0.08 | N.D. | 0.42 | 4.48 | 17.3 | 12.7 | 5670 | 100 | 0.39 | 12 | 3 | 1551 | 44 |
| 03-PAT-0759 | 413175 | 5246710 | 36.8 | 0.17 | N.D. | 0.43 | 9.46 | 26.4 | 18.9 | 14585 | 319 | 0.77 | 15 | 9.8 | 2254 | 46 |
| 03-PAT-0760 | 412756 | 5247881 | 26.4 | 0.12 | N.D. | 0.34 | 6.98 | 25.5 | 14.6 | 9880 | 214 | 0.59 | 14 | 5 | 1566 | 39 |
| 03-PAT-0761 | 413414 | 5248020 | 65.7 | 0.20 | N.D. | 0.79 | 1.83 | 18.7 | 47.5 | 4490 | 84 | 2.81 | 10 | 2.4 | 3601 | 57 |
| 03-PAT-0762 | 412384 | 5248545 | 44.4 | 0.36 | N.D. | 0.44 | 3.21 | 21.6 | 29.8 | 15282 | 96 | 1.37 | 15 | 13.1 | 4292 | 46 |
| 03-PAT-0763 | 412106 | 5249326 | 27.7 | 0.09 | N.D. | 0.56 | 3.86 | 16.8 | 17.3 | 7010 | 73 | 0.41 | 13 | 12.9 | 2398 | 40 |
| 03-PAT-0764 | 411767 | 5250053 | 34.9 | 0.16 | N.D. | 0.34 | 2.91 | 21.1 | 23.6 | 11180 | 89 | 0.66 | 13 | 3.8 | 2132 | 41 |
| 03-PAT-0766 | 411459 | 5250548 | 37.6 | 0.19 | N.D. | 0.41 | 3.54 | 23.1 | 26.1 | 10882 | 99 | 0.65 | 15 | 3.9 | 2255 | 47 |
| 03-PAT-0767 | 410754 | 5250426 | 61.6 | 0.19 | N.D | 0.37 | 14.24 | 37.5 | 36.5 | 93559 | 834 | 1.26 | 20 | 2.4 | 6072 | 77 |
| 03-PAT-0768 | 410865 | 5251177 | 56.6 | 0.34 | N.D. | 0.46 | 1.97 | 12.5 | 28.4 | 5264 | 52 | 1.40 | 9 | 4.5 | 3875 | 37 |
| 03-PAT-0769 | 410705 | 5251801 | 40.5 | 0.18 | N.D. | 0.36 | 2.30 | 17.5 | 22.1 | 5085 | 63 | 0.63 | 11 | 3.3 | 2179 | 29 |
| 03-PAT-0770 | 412001 | 5253919 | 43.6 | 0.18 | N.D. | 0.56 | 4.72 | 24.5 | 23.9 | 9792 | 163 | 0.62 | 15 | 4.4 | 2402 | 55 |
| 03-PAT-0771 | 412803 | 5254034 | 18.2 | 0.08 | N.D. | 0.30 | 5.46 | 26.9 | 12.3 | 9828 | 144 | 0.32 | 16 | 3.8 | 974 | 44 |
| 03-PAT-0772 | 379224 | 5284650 | 32.3 | 0.10 | N.D. | 1.40 | 7.82 | 26.6 | 40.5 | 15680 | 175 | 0.55 | 21 | 5.3 | 5083 | 272 |
| 03-PAT-0773 | 378733 | 5286623 | 66.9 | 0.13 | INF | 0.82 | 4.69 | 13.2 | 99.6 | 4733 | 131 | 4.90 | 18 | 12.8 | 8331 | 109 |
| 03-PAT-0774 | 379162 | 5287398 | 60.6 | 0.13 | N.D. | 0.94 | 4.10 | 14.9 | 94.2 | 4443 | 141 | 3.80 | 16 | 6.3 | 6465 | 118 |
| 03-PAT-0776 | 378699 | 5287778 | 68.6 | 0.15 | INF | 0.78 | 4.80 | 13.6 | 110 | 3716 | 115 | 4.90 | 22 | 5.9 | 8264 | 110 |
| 03-PAT-0777 | 378850 | 5288980 | 53.9 | 0.16 | N.D. | 0.85 | 4.57 | 19.7 | 102 | 9363 | 182 | 9.53 | 21 | 4.7 | 11376 | 108 |
| 03-PAT-0778 | 377860 | 5289225 | 37.2 | 0.11 | N.D. | 0.77 | 5.41 | 24.2 | 34.4 | 8099 | 251 | 1.82 | 17 | 11.6 | 4642 | 86 |
| 03-PAT-0780 | 375124 | 5301690 | 38.4 | 0.08 | N.D. | 0.50 | 4.23 | 25.9 | 30.4 | 9709 | 372 | 0.62 | 18 | 3.9 | 2879 | 64 |
| 03-PAT-0784 | 379223 | 5310235 | 44.0 | 0.07 | N.D. | 0.65 | 4.04 | 17.7 | 27.3 | 5225 | 99 | 1.28 | 15 | 4.1 | 3933 | 58 |
| 03-PAT-0786 | 378618 | 5310225 | 34.6 | 0.11 | N.D. | 0.55 | 3.85 | 27.6 | 26.9 | 10632 | 167 | 0.85 | 21 | 5.9 | 3025 | 69 |
| 03-PAT-0787 | 378086 | 5309777 | 31.1 | 0.11 | N.D. | 0.57 | 4.87 | 31.0 | 26.0 | 11127 | 205 | 0.90 | 25 | 9 | 3361 | 63 |
| 03-PAT-0788 | 377338 | 5310298 | 30.5 | 0.12 | N.D. | 0.47 | 4.01 | 35.3 | 29.4 | 8274 | 138 | 1.02 | 25 | 5.1 | 2310 | 56 |
| 03-PAT-0789 | 376701 | 5310711 | 36.3 | 0.17 | N.D. | 0.58 | 4.07 | 38.0 | 33.9 | 11643 | 207 | 1.43 | 26 | 9.6 | 2969 | 70 |
| 03-PAT-0790 | 375638 | 5310798 | 15.9 | 0.07 | N.D. | 0.35 | 4.98 | 26.5 | 29.5 | 7154 | 285 | 0.62 | 39 | 4.1 | 1544 | 42 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0791 | 375309 | 5310263 | 19.8 | 0.09 | N.D. | 0.31 | 4.50 | 34.4 | 31.6 | 7941 | 217 | 0.64 | 38 | 3.1 | 1373 | 45 |
| 03-PAT-0792 | 379246 | 5310755 | 85.0 | 0.04 | INF | 0.75 | 1.35 | 5.3 | 5.5 | 2176 | 48 | 1.47 | 5 | 3.5 | 2490 | 83 |
| 03-PAT-0793 | 378399 | 5310685 | 30.9 | 0.08 | N.D. | 0.44 | 3.36 | 23.8 | 24.6 | 6326 | 104 | 1.00 | 24 | 7.2 | 3212 | 48 |
| 03-PAT-0794 | 378170 | 5310867 | 36.7 | 0.13 | N.D. | 0.53 | 4.11 | 30.7 | 31.1 | 9423 | 192 | 1.55 | 25 | 7 | 3712 | 62 |
| 03-PAT-0796 | 378472 | 5311353 | 88.2 | 0.07 | INF | 0.70 | 1.31 | 7.5 | 9.5 | 1536 | 84 | 1.22 | 6 | 6 | 2914 | 115 |
| 03-PAT-0797 | 377827 | 5311585 | 92.0 | 0.06 | INF | 0.38 | 0.88 | 3.2 | 4.9 | 1865 | 393 | 0.44 | 3 | 3 | 2024 | 60 |
| 03-PAT-0798 | 377531 | 5311583 | 41.9 | 0.21 | N.D. | 0.70 | 5.05 | 32.4 | 41.3 | 11484 | 385 | 2.56 | 21 | 11.7 | 4129 | 89 |
| 03-PAT-0799 | 378391 | 5311795 | 60.4 | 0.05 | N.D. | 0.50 | 1.37 | 13.5 | 7.6 | 2383 | 53 | 0.36 | 9 | 9.8 | 1844 | 43 |
| 03-PAT-0800 | 378126 | 5312038 | 72.2 | 0.06 | N.D. | 0.53 | 1.75 | 17.3 | 26.2 | 8304 | 29 | 17.51 | 12 | 3.3 | 15196 | 78 |
| 03-PAT-0801 | 378569 | 5312519 | 56.4 | 0.04 | N.D. | 0.20 | 0.47 | 29.7 | 41.6 | 1020 | 15 | 5.48 | 7 | 1.3 | 8810 | 33 |
| 03-PAT-0802 | 378306 | 5312680 | 51.0 | 0.12 | N.D. | 0.34 | 2.22 | 23.3 | 48.5 | 6302 | 22 | 4.76 | 16 | 2.9 | 11435 | 44 |
| 03-PAT-0803 | 378094 | 5312897 | 24.2 | 0.05 | N.D. | 0.29 | 2.81 | 11.7 | 11.5 | 5673 | 245 | 0.42 | 10 | 6.7 | 2256 | 42 |
| 03-PAT-0804 | 379134 | 5312923 | 56.8 | 0.07 | N.D. | 0.67 | 3.31 | 21.5 | 23.6 | 6943 | 104 | 1.79 | 12 | 3.9 | 4734 | 81 |
| 03-PAT-0806 | 381158 | 5312962 | 51.3 | 0.30 | N.D. | 0.74 | 3.82 | 22.9 | 43.7 | 6390 | 189 | 4.76 | 14 | 6.7 | 4916 | 77 |
| 03-PAT-0807 | 381344 | 5312107 | 41.0 | 0.07 | N.D. | 0.63 | 4.62 | 19.2 | 16.6 | 6863 | 238 | 0.97 | 22 | 4.8 | 3206 | 71 |
| 03-PAT-0808 | 381576 | 5310570 | 75.1 | 0.11 | N.D. | 0.57 | 1.80 | 8.9 | 23.9 | 2931 | 184 | 0.98 | 9 | 3.5 | 4096 | 57 |
| 03-PAT-0809 | 382756 | 5310743 | 72.0 | N.D. | N.D. | 0.47 | 1.28 | 9.3 | 9.1 | 2309 | 29 | 2.06 | 6 | 2.5 | 4019 | 40 |
| 03-PAT-0810 | 382946 | 5310404 | 69.4 | N.D. | N.D. | 0.25 | 0.75 | 6.8 | 8.9 | 11405 | 70 | 3.67 | 6 | 2.1 | 12718 | 37 |
| 03-PAT-0812 | 382710 | 5310176 | 50.8 | 0.07 | N.D. | 0.65 | 2.01 | 12.8 | 13.0 | 10030 | 132 | 1.24 | 8 | 4.8 | 6196 | 61 |
| 03-PAT-0813 | 381415 | 5309193 | 86.2 | 0.11 | INF | 0.60 | 0.74 | 4.5 | 20.5 | 1314 | 95 | 0.79 | 6 | 3 | 3249 | 75 |
| 03-PAT-0814 | 380080 | 5308556 | 65.2 | 0.07 | INF | 0.57 | 2.80 | 11.6 | 22.2 | 8607 | 217 | 1.74 | 9 | 7.2 | 8631 | 70 |
| 03-PAT-0816 | 384042 | 5309031 | 46.0 | 0.06 | N.D. | 0.45 | 2.42 | 9.8 | 24.9 | 4245 | 54 | 5.22 | 9 | 2.6 | 5749 | 62 |
| 03-PAT-0817 | 383751 | 5308123 | 76.4 | N.D. | N.D. | 0.46 | 2.22 | 4.4 | 20.2 | 1380 | 47 | 3.79 | 9 | 1 | 5945 | 72 |
| 03-PAT-0818 | 382928 | 5307344 | 62.3 | N.D. | N.D. | 0.34 | 0.88 | 6.4 | 4.9 | 2027 | 40 | 3.15 | 4 | 2.5 | 3236 | 40 |
| 03-PAT-0819 | 382520 | 5307124 | 95.1 | 0.04 | INF | 0.82 | 1.73 | 5.6 | 5.7 | 3942 | 104 | 1.55 | 3 | 2.7 | 2262 | 98 |
| 03-PAT-0820 | 382217 | 5307395 | 74.3 | 0.06 | N.D. | 0.60 | 1.58 | 7.9 | 12.6 | 1991 | 65 | 1.02 | 7 | 3 | 3323 | 80 |
| 03-PAT-0821 | 382237 | 5307757 | 61.5 | 0.05 | N.D. | 0.41 | 1.06 | 5.6 | 20.5 | 1040 | 27 | 1.37 | 7 | 1.3 | 5012 | 56 |
| 03-PAT-0822 | 382123 | 5308464 | 63.5 | 0.06 | N.D. | 0.59 | 1.64 | 10.1 | 15.8 | 1998 | 53 | 0.70 | 7 | 2.9 | 3787 | 62 |
| 03-PAT-0823 | 381612 | 5307768 | 45.3 | 0.05 | N.D. | 0.44 | 4.14 | 16.4 | 13.4 | 5803 | 92 | 0.89 | 11 | 4.1 | 2292 | 63 |
| 03-PAT-0824 | 381104 | 5308072 | 31.1 | 0.10 | N.D. | 0.57 | 6.20 | 36.4 | 21.0 | 24484 | 356 | 0.95 | 18 | 8.4 | 2587 | 81 |
| 03-PAT-0826 | 381136 | 5307590 | 27.7 | 0.10 | N.D. | 0.52 | 5.88 | 35.3 | 17.2 | 20120 | 402 | 0.72 | 17 | 7.7 | 2026 | 72 |
| 03-PAT-0827 | 381802 | 5307280 | 89.2 | 0.08 | INF | 0.52 | 0.72 | 4.8 | 18.1 | 1097 | 38 | 1.28 | 5 | 2.1 | 2820 | 106 |
| 03-PAT-0829 | 381947 | 5306265 | 88.3 | 0.08 | INF | 0.78 | 0.84 | 4.9 | 10.2 | 2698 | 201 | 0.65 | 5 | 2.4 | 3200 | 121 |
| 03-PAT-0830 | 371197 | 5273822 | 53.2 | 0.21 | N.D. | 0.94 | 3.85 | 50.6 | 129 | 5365 | 33 | 11.89 | 17 | 2.8 | 9492 | 77 |
| 03-PAT-0831 | 375839 | 5277197 | 55.2 | 0.17 | N.D. | 0.81 | 9.29 | 32.4 | 75.3 | 16760 | 299 | 3.54 | 25 | 3.7 | 11375 | 92 |
| 03-PAT-0832 | 376200 | 5277197 | 57.5 | 0.33 | N.D. | 1.63 | 18.05 | 39.4 | 97.4 | 30355 | 607 | 2.93 | 28 | 5.9 | 12192 | 164 |
| 03-PAT-0833 | 375586 | 5277570 | 51.0 | 0.07 | N.D. | 0.45 | 2.46 | 9.6 | 46.0 | 4880 | 45 | 2.01 | 26 | 2.5 | 8702 | 83 |
| 03-PAT-0834 | 375897 | 5277619 | 89.1 | 0.07 | N.D. | 0.47 | 0.88 | 5.0 | 27.1 | 1462 | 78 | 1.25 | 10 | 5.3 | 6359 | 57 |
| 03-PAT-0836 | 379490 | 5282694 | 63.1 | 0.06 | N.D. | 0.46 | 2.21 | 8.0 | 44.1 | 2916 | 45 | 1.48 | 10 | 1.6 | 8903 | 55 |
| 03-PAT-0837 | 378764 | 5282571 | 68.0 | 0.05 | N.D. | 0.44 | 1.67 | 5.4 | 36.5 | 1549 | 39 | 1.21 | 6 | 2.8 | 8632 | 61 |
| 03-PAT-0838 | 378688 | 5281470 | 57.9 | 0.10 | 2 | 0.47 | 2.39 | 6.5 | 45.6 | 3534 | 40 | 7.21 | 14 | 1.5 | 8671 | 88 |
| 03-PAT-0839 | 378313 | 5281491 | 53.3 | 0.09 | INF | 0.57 | 1.92 | 4.3 | 38.8 | 1791 | 57 | 8.36 | 13 | 2.5 | 7711 | 84 |
| 03-PAT-0840 | 378212 | 5280691 | 80.0 | 0.08 | INF | 0.46 | 2.44 | 8.2 | 21.9 | 5510 | 74 | 1.82 | 8 | 1.8 | 9995 | 59 |
| 03-PAT-0842 | 381966 | 5277408 | 37.8 | 0.16 | N.D. | 1.22 | 8.46 | 33.8 | 40.9 | 11487 | 275 | 0.80 | 19 | 3.7 | 3319 | 105 |
| 03-PAT-0844 | 381980 | 5276360 | 56.0 | 0.08 | N.D. | 0.59 | 3.64 | 13.6 | 29.2 | 5400 | 101 | 0.88 | 16 | 7.5 | 6191 | 57 |
| 03-PAT-0846 | 381990 | 5276173 | 56.2 | 0.08 | N.D. | 0.51 | 2.31 | 11.5 | 31.5 | 5761 | 182 | 0.57 | 12 | 3.3 | 5955 | 43 |
| 03-PAT-0847 | 381975 | 5275653 | 61.3 | 0.11 | N.D. | 0.43 | 3.04 | 7.8 | 50.9 | 6964 | 146 | 1.20 | 10 | 1.5 | 5219 | 78 |
| 03-PAT-0848 | 384579 | 5272085 | 47.4 | 0.06 | N.D. | 0.45 | 1.81 | 8.9 | 22.9 | 2069 | 87 | 0.60 | 10 | 2.9 | 2549 | 29 |
| 03-PAT-0849 | 391620 | 5264346 | 68.7 | N.D. | N.D. | 0.50 | 1.54 | 10.0 | 26.4 | 2078 | 36 | 3.31 | 14 | 2.7 | 5383 | 94 |
| 03-PAT-0850 | 392096 | 5265139 | 36.8 | 0.08 | N.D. | 0.87 | 3.80 | 14.9 | 31.9 | 9364 | 191 | 1.34 | 11 | 9.3 | 3720 | 90 |
| 03-PAT-0851 | 397197 | 5260683 | 58.6 | 0.04 | N.D. | 0.60 | 3.16 | 32.6 | 14.5 | 47842 | 289 | 1.81 | 12 | 2.2 | 7548 | 82 |
| 03-PAT-0852 | 397598 | 5259617 | 42.7 | 0.04 | N.D. | 0.57 | 3.44 | 26.2 | 10.0 | 18806 | 287 | 0.76 | 13 | 4.2 | 3555 | 67 |
| 03-PAT-0853 | 397660 | 5259301 | 50.9 | 0.05 | N.D. | 0.74 | 4.16 | 36.7 | 12.3 | 17692 | 300 | 0.80 | 14 | 3.6 | 3376 | 101 |
| 03-PAT-0856 | 412868 | 5259626 | 54.3 | 0.06 | N.D. | 0.50 | 3.72 | 14.1 | 17.0 | 3836 | 50 | 0.96 | 10 | 4.6 | 3479 | 25 |
| 03-PAT-0857 | 412792 | 5258508 | 38.2 | 0.09 | N.D. | 0.68 | 2.95 | 14.3 | 20.7 | 4153 | 60 | 0.86 | 10 | 6.4 | 3041 | 49 |
| 03-PAT-0858 | 413800 | 5258128 | 60.0 | 0.21 | N.D. | 0.54 | 2.19 | 9.3 | 37.1 | 8014 | 127 | 1.28 | 10 | 6 | 4588 | 74 |
| 03-PAT-0859 | 418292 | 5257279 | 61.8 | 0.19 | N.D. | 0.71 | 7.28 | 32.6 | 32.7 | 20531 | 267 | 1.12 | 15 | 5.8 | 5116 | 82 |
| 03-PAT-0860 | 418041 | 5256906 | 59.6 | 0.15 | N.D. | 0.63 | 4.04 | 15.3 | 33.2 | 17067 | 285 | 1.21 | 13 | 3.7 | 4627 | 63 |
| 03-PAT-0861 | 417909 | 5256270 | 60.1 | 0.21 | N.D. | 0.72 | 4.75 | 25.0 | 34.5 | 18102 | 180 | 1.00 | 16 | 5 | 4469 | 71 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units----------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0862 | 417158 | 5257275 | 53.5 | 0.18 | N.D. | 0.51 | 6.09 | 20.6 | 34.5 | 19051 | 165 | 1.21 | 14 | 4 | 4776 | 54 |
| 03-PAT-0864 | 413886 | 5255292 | 67.0 | 0.24 | N.D. | 0.58 | 2.12 | 12.1 | 34.7 | 8553 | 117 | 0.97 | 10 | 2.9 | 4063 | 62 |
| 03-PAT-0866 | 413475 | 5255519 | 45.4 | 0.12 | N.D. | 0.50 | 2.85 | 17.4 | 18.5 | 6720 | 103 | 0.47 | 11 | 3.9 | 2673 | 44 |
| 03-PAT-0867 | 413772 | 5256128 | 49.2 | 0.13 | N.D. | 0.54 | 4.89 | 23.1 | 21.7 | 9644 | 222 | 0.48 | 13 | 3.8 | 2519 | 51 |
| 03-PAT-0868 | 414050 | 5256682 | 30.9 | 0.07 | N.D. | 0.55 | 4.87 | 19.8 | 21.0 | 6098 | 125 | 0.66 | 14 | 3.9 | 2263 | 110 |
| 03-PAT-0869 | 412745 | 5255386 | 34.2 | 0.14 | 4 | 0.32 | 1.88 | 13.7 | 17.8 | 3866 | 48 | 0.57 | 8 | 2.4 | 1773 | 26 |
| 03-PAT-0870 | 412779 | 5258520 | 38.0 | 0.11 | N.D. | 0.83 | 3.13 | 14.4 | 19.5 | 4394 | 57 | 0.76 | 11 | 11.8 | 3375 | 52 |
| 03-PAT-0871 | 410480 | 5257418 | 51.3 | 0.25 | N.D. | 0.49 | 21.48 | 28.3 | 28.6 | 23071 | 558 | 0.78 | 17 | 4.3 | 3223 | 57 |
| 03-PAT-0872 | 411126 | 5257027 | 33.5 | 0.15 | N.D. | 0.30 | 2.98 | 16.1 | 17.6 | 8504 | 80 | 0.46 | 10 | 3.7 | 1986 | 31 |
| 03-PAT-0873 | 411901 | 5256702 | 59.4 | 0.27 | N.D. | 0.59 | 19.98 | 27.8 | 32.8 | 29064 | 479 | 0.95 | 16 | 4.4 | 4526 | 69 |
| 03-PAT-0874 | 410986 | 5256079 | 54.0 | 0.28 | N.D. | 0.50 | 2.20 | 14.9 | 25.1 | 7410 | 93 | 0.75 | 12 | 5.7 | 3306 | 35 |
| 03-PAT-0876 | 411351 | 5255297 | 57.8 | 0.25 | N.D. | 0.63 | 7.16 | 26.5 | 33.0 | 12179 | 225 | 0.88 | 13 | 4.7 | 3371 | 55 |
| 03-PAT-0877 | 384152 | 5278300 | 83.4 | 0.05 | N.D. | 0.45 | 2.65 | 6.9 | 14.2 | 2128 | 121 | 1.30 | 9 | 6 | 4769 | 62 |
| 03-PAT-0878 | 383470 | 5278723 | 20.2 | 0.08 | N.D. | 0.74 | 10.00 | 24.3 | 26.9 | 9770 | 720 | 0.56 | 16 | 5.6 | 2197 | 77 |
| 03-PAT-0879 | 383654 | 5279350 | 33.5 | 0.10 | N.D. | 0.85 | 6.93 | 22.2 | 27.5 | 8955 | 577 | 0.60 | 15 | 5.8 | 2753 | 93 |
| 03-PAT-0880 | 384161 | 5279691 | 41.5 | 0.13 | N.D. | 1.09 | 10.06 | 25.2 | 40.7 | 8852 | 597 | 0.96 | 18 | 4.3 | 4107 | 104 |
| 03-PAT-0881 | 385310 | 5279365 | 63.7 | 0.06 | N.D. | 0.39 | 1.28 | 9.5 | 30.1 | 1490 | 23 | 1.55 | 10 | 1.4 | 5005 | 46 |
| 03-PAT-0882 | 391802 | 5280116 | 61.1 | 0.10 | N.D. | 0.75 | 4.50 | 22.1 | 34.5 | 6069 | 311 | 0.93 | 16 | 4 | 3177 | 84 |
| 03-PAT-0883 | 394885 | 5278768 | 58.1 | 0.06 | N.D. | 0.55 | 3.11 | 11.1 | 32.4 | 2593 | 136 | 1.02 | 14 | 2.6 | 4194 | 57 |
| 03-PAT-0884 | 393871 | 5277602 | 30.5 | 0.07 | N.D. | 0.52 | 4.88 | 22.8 | 21.5 | 6872 | 120 | 1.49 | 17 | 3.7 | 2273 | 70 |
| 03-PAT-0886 | 393831 | 5278035 | 67.4 | 0.13 | N.D. | 0.70 | 3.26 | 15.5 | 24.7 | 5768 | 308 | 1.25 | 16 | 3.1 | 3413 | 87 |
| 03-PAT-0887 | 393561 | 5278187 | 57.9 | 0.11 | N.D. | 0.48 | 4.01 | 20.3 | 33.6 | 23448 | 291 | 5.08 | 20 | 3.2 | 16642 | 89 |
| 03-PAT-0888 | 393470 | 5278537 | 13.4 | N.D. | N.D. | 0.27 | 5.99 | 32.6 | 11.4 | 13164 | 125 | 0.79 | 16 | 3.2 | 1500 | 50 |
| 03-PAT-0889 | 393577 | 5278824 | 87.4 | 0.08 | N.D. | 0.62 | 1.99 | 11.3 | 15.1 | 2525 | 218 | 0.66 | 12 | 2.2 | 2454 | 90 |
| 03-PAT-0890 | 409041 | 5271685 | 60.6 | 0.12 | N.D. | 0.74 | 6.45 | 24.9 | 51.0 | 7792 | 353 | 1.09 | 18 | 2.8 | 6342 | 76 |
| 03-PAT-0891 | 409175 | 5272155 | 64.6 | 0.10 | 4 | 0.60 | 6.57 | 28.7 | 51.9 | 10057 | 329 | 1.50 | 25 | 3.1 | 6868 | 76 |
| 03-PAT-0892 | 409611 | 5271488 | 63.8 | 0.08 | N.D. | 0.48 | 4.39 | 12.1 | 46.5 | 4672 | 137 | 1.46 | 16 | 5.3 | 7659 | 56 |
| 03-PAT-0893 | 409539 | 5271832 | 55.1 | 0.08 | N.D. | 0.41 | 3.69 | 17.7 | 39.7 | 5735 | 108 | 1.32 | 19 | 2.9 | 5941 | 46 |
| 03-PAT-0894 | 410557 | 5272041 | 42.0 | 0.07 | N.D. | 0.50 | 3.53 | 13.7 | 39.0 | 6206 | 76 | 1.14 | 17 | 3.5 | 5833 | 60 |
| 03-PAT-0896 | 407281 | 5270492 | 46.8 | 0.16 | N.D. | 0.66 | 11.79 | 29.4 | 79.6 | 12115 | 211 | 1.82 | 29 | 3.8 | 4715 | 99 |
| 03-PAT-0897 | 405331 | 5271428 | 88.0 | 0.07 | N.D. | 0.57 | 1.08 | 6.3 | 14.2 | 1639 | 104 | 4.86 | 7 | 1.9 | 4459 | 81 |
| 03-PAT-0899 | 398328 | 5273929 | 64.2 | 0.06 | N.D. | 0.41 | 2.10 | 12.6 | 14.1 | 38427 | 512 | 3.49 | 12 | 2.5 | 12604 | 59 |
| 03-PAT-0900 | 399688 | 5275538 | 79.0 | 0.07 | N.D. | 0.78 | 4.52 | 13.5 | 20.7 | 2630 | 99 | 0.71 | 13 | 2.8 | 2570 | 106 |
| 03-PAT-0902 | 399811 | 5276568 | 53.3 | 0.27 | 6 | 0.64 | 15.23 | 42.3 | 95.7 | 33037 | 285 | 2.77 | 38 | 3.5 | 8682 | 73 |
| 03-PAT-0903 | 399812 | 5276567 | 83.4 | 0.06 | N.D. | 0.49 | 3.16 | 8.8 | 16.5 | 4282 | 189 | 1.26 | 12 | 2.1 | 3268 | 69 |
| 03-PAT-0906 | 398781 | 5276034 | 72.8 | 0.08 | N.D. | 0.69 | 3.63 | 19.8 | 27.8 | 6791 | 74 | 13.28 | 17 | 2.4 | 12320 | 68 |
| 03-PAT-0907 | 398348 | 5277409 | 61.7 | 0.13 | N.D. | 0.55 | 6.12 | 27.4 | 46.9 | 22157 | 130 | 2.57 | 17 | 3.3 | 9646 | 69 |
| 03-PAT-0908 | 398346 | 5277407 | 43.9 | 0.11 | N.D. | 0.70 | 6.81 | 30.3 | 27.1 | 17544 | 363 | 1.16 | 19 | 13.6 | 5869 | 80 |
| 03-PAT-0909 | 398751 | 5277206 | 47.1 | 0.11 | N.D. | 0.81 | 7.14 | 35.1 | 35.2 | 12158 | 420 | 1.64 | 18 | 4 | 4996 | 89 |
| 03-PAT-0910 | 399423 | 5277223 | 67.7 | 0.08 | N.D. | 0.55 | 4.52 | 25.6 | 21.3 | 12069 | 240 | 1.07 | 18 | 7.9 | 4137 | 70 |
| 03-PAT-0911 | 399761 | 5277653 | 65.4 | 0.07 | N.D. | 0.54 | 2.95 | 22.9 | 32.5 | 3598 | 49 | 1.86 | 14 | 3.6 | 3413 | 71 |
| 03-PAT-0912 | 399443 | 5278074 | 35.0 | 0.06 | N.D. | 0.39 | 4.96 | 46.3 | 34.5 | 40412 | 801 | 1.63 | 23 | 3 | 9000 | 45 |
| 03-PAT-0913 | 399724 | 5278056 | 88.8 | 0.05 | N.D. | 0.69 | 0.98 | 7.6 | 10.4 | 1824 | 122 | 0.82 | 8 | 2.8 | 3022 | 85 |
| 03-PAT-0914 | 400582 | 5278261 | 87.0 | 0.06 | N.D. | 0.66 | 1.36 | 6.5 | 10.0 | 1969 | 98 | 1.47 | 6 | 1.9 | 3000 | 92 |
| 03-PAT-0916 | 401952 | 5277630 | 51.8 | N.D. | N.D. | 0.44 | 2.27 | 16.4 | 16.6 | 5655 | 49 | 2.92 | 14 | 3.1 | 7121 | 58 |
| 03-PAT-0917 | 402477 | 5278223 | 56.9 | N.D. | N.D. | 0.33 | 1.61 | 8.9 | 12.5 | 4905 | 44 | 2.29 | 11 | 3.3 | 8256 | 48 |
| 03-PAT-0918 | 401341 | 5278731 | 51.7 | N.D. | N.D. | 0.41 | 2.85 | 15.1 | 20.8 | 5277 | 55 | 2.40 | 13 | 4 | 6200 | 60 |
| 03-PAT-0919 | 401390 | 5279642 | 66.1 | 0.12 | N.D. | 0.71 | 3.64 | 21.9 | 29.6 | 6753 | 193 | 1.18 | 16 | 3 | 4128 | 114 |
| 03-PAT-0920 | 402032 | 5280310 | 62.0 | N.D. | N.D. | 0.46 | 2.34 | 10.9 | 18.4 | 3453 | 62 | 2.61 | 13 | 2.5 | 5770 | 62 |
| 03-PAT-0921 | 403097 | 5280256 | 47.5 | N.D. | N.D. | 0.34 | 2.46 | 11.7 | 16.6 | 4173 | 62 | 1.59 | 13 | 2.3 | 4458 | 54 |
| 03-PAT-0922 | 402952 | 5279450 | 67.1 | N.D. | N.D. | 0.38 | 1.63 | 7.5 | 17.8 | 1635 | 36 | 2.72 | 13 | 2 | 3878 | 61 |
| 03-PAT-0923 | 360941 | 5282179 | 64.5 | 0.06 | N.D. | 0.31 | 2.40 | 13.2 | 70.3 | 5292 | 54 | 1.96 | 28 | 1.4 | 9725 | 42 |
| 03-PAT-0924 | 357500 | 5283200 | 66.7 | 0.04 | N.D. | 0.42 | 1.75 | 17.8 | 25.9 | 10431 | 86 | 5.17 | 20 | 3 | 16702 | 74 |
| 03-PAT-0926 | 356740 | 5283400 | 63.6 | N.D. | N.D. | 0.53 | 2.43 | 22.6 | 26.5 | 11742 | 122 | 3.22 | 20 | 3.7 | 14487 | 76 |
| 03-PAT-0927 | 355609 | 5284826 | 65.3 | N.D. | N.D. | 0.30 | 1.19 | 7.6 | 11.1 | 4561 | 39 | 3.19 | 8 | 1.9 | 10496 | 40 |
| 03-PAT-0928 | 356281 | 5286375 | 78.7 | N.D. | N.D. | 0.29 | 1.22 | 6.5 | 9.5 | 4589 | 72 | 3.44 | 7 | 2.2 | 9355 | 38 |
| 03-PAT-0929 | 357237 | 5286950 | 72.7 | 0.05 | INF | 0.36 | 1.72 | 9.3 | 10.6 | 5425 | 43 | 3.09 | 8 | 3.2 | 10306 | 44 |
| 03-PAT-0930 | 358677 | 5287788 | 52.7 | N.D. | N.D. | 0.48 | 2.03 | 23.3 | 24.5 | 8292 | 45 | 9.70 | 12 | 2.6 | 13301 | 45 |
| 03-PAT-0931 | 358772 | 5288273 | 54.3 | N.D. | N.D. | 0.33 | 2.04 | 15.7 | 16.7 | 5604 | 36 | 2.77 | 10 | 3.8 | 9048 | 37 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-0933 | 358599 | 5289915 | 50.6 | 0.06 | N.D. | 0.72 | 3.82 | 28.7 | 21.6 | 10427 | 130 | 7.31 | 15 | 20.6 | 12127 | 58 |
| 03-PAT-0934 | 351190 | 5289653 | 57.1 | N.D. | N.D. | 0.34 | 1.74 | 9.8 | 16.9 | 4297 | 43 | 1.52 | 10 | 3.8 | 6379 | 45 |
| 03-PAT-0936 | 351252 | 5292035 | 60.5 | 0.07 | N.D. | 0.35 | 2.36 | 17.9 | 41.4 | 5939 | 46 | 3.20 | 15 | 3.9 | 10021 | 48 |
| 03-PAT-0937 | 351157 | 5292965 | 52.0 | 0.08 | N.D. | 0.27 | 3.62 | 19.2 | 28.2 | >135000 | 649 | 2.39 | 24 | 2.1 | 6987 | 62 |
| 03-PAT-0938 | 350847 | 5293286 | 84.4 | 0.04 | N.D. | 0.50 | 1.32 | 5.2 | 9.3 | 2877 | 89 | 2.25 | 6 | 2.5 | 3919 | 72 |
| 03-PAT-0939 | 350420 | 5291820 | 82.7 | 0.08 | N.D. | 0.68 | 1.88 | 10.7 | 14.1 | 2264 | 90 | 0.65 | 11 | 4.4 | 2301 | 89 |
| 03-PAT-0940 | 350185 | 5292822 | 77.0 | 0.05 | N.D. | 0.39 | 0.97 | 8.0 | 12.7 | 1902 | 34 | 3.41 | 6 | 2.3 | 6224 | 54 |
| 03-PAT-0941 | 350259 | 5293800 | 65.4 | 0.05 | N.D. | 0.48 | 2.44 | 19.4 | 26.6 | 8873 | 41 | 14.48 | 15 | 4.1 | 14102 | 63 |
| 03-PAT-0943 | 351728 | 5291540 | 45.0 | 0.12 | N.D. | 1.91 | 3.66 | 17.3 | 60.6 | 4336 | 33 | 3.43 | 17 | 6.1 | 7834 | 169 |
| 03-PAT-0944 | 352413 | 5290421 | 46.9 | 0.06 | N.D. | 0.50 | 3.58 | 17.2 | 27.1 | 5817 | 66 | 0.73 | 21 | 3.4 | 5891 | 55 |
| 03-PAT-0946 | 353020 | 5290443 | 56.7 | 0.08 | N.D. | 0.57 | 3.37 | 17.8 | 36.0 | 4200 | 45 | 2.06 | 19 | 3.9 | 5926 | 53 |
| 03-PAT-0948 | 353864 | 5290599 | 77.2 | N.D. | N.D. | 0.39 | 1.25 | 5.4 | 17.0 | 2162 | 30 | 2.53 | 12 | 1.5 | 8416 | 53 |
| 03-PAT-0949 | 354986 | 5291071 | 69.6 | 0.07 | N.D. | 0.87 | 1.26 | 2.9 | 24.8 | 1324 | 35 | 2.46 | 11 | 15.5 | 6574 | 70 |
| 03-PAT-0950 | 352930 | 5291403 | 70.3 | 0.05 | N.D. | 0.67 | 0.96 | 4.4 | 6.3 | 1400 | 27 | 1.00 | 5 | 4.9 | 4749 | 81 |
| 03-PAT-0951 | 353026 | 5292295 | 45.9 | 0.07 | N.D. | 0.47 | 3.74 | 15.2 | 30.2 | 8573 | 65 | 4.00 | 14 | 3.2 | 11232 | 60 |
| 03-PAT-0952 | 352108 | 5293308 | 50.8 | 0.06 | N.D. | 0.37 | 1.24 | 3.9 | 31.4 | 848 | 29 | 1.92 | 16 | 2.1 | 5441 | 37 |
| 03-PAT-0953 | 351779 | 5293938 | 75.6 | 0.05 | N.D. | 0.78 | 3.41 | 5.2 | 10.4 | 1677 | 54 | 1.63 | 10 | 6.7 | 3860 | 88 |
| 03-PAT-0954 | 354110 | 5293661 | 40.1 | 0.06 | N.D. | 0.49 | 4.60 | 18.8 | 30.4 | 10632 | 177 | 1.28 | 22 | 5 | 5768 | 61 |
| 03-PAT-0956 | 353626 | 5294264 | 51.3 | 0.06 | N.D. | 0.53 | 5.43 | 32.9 | 23.5 | 8841 | 228 | 0.88 | 20 | 2.9 | 3866 | 62 |
| 03-PAT-0958 | 353904 | 5295801 | 61.2 | 0.08 | N.D. | 0.53 | 2.92 | 8.5 | 38.0 | 3353 | 64 | 2.43 | 12 | 2 | 6859 | 72 |
| 03-PAT-0959 | 353481 | 5296270 | 77.7 | 0.08 | INF | 0.47 | 2.59 | 10.5 | 22.9 | 4116 | 59 | 1.76 | 10 | 2.6 | 4070 | 58 |
| 03-PAT-0960 | 351963 | 5295443 | 83.0 | 0.05 | N.D. | 0.36 | 2.33 | 16.3 | 25.7 | 9208 | 74 | 3.67 | 14 | 1.8 | 11221 | 56 |
| 03-PAT-0961 | 352147 | 5295809 | 83.7 | 0.05 | N.D. | 0.44 | 2.11 | 7.7 | 11.1 | 3185 | 108 | 1.20 | 8 | 1.8 | 3194 | 70 |
| 03-PAT-0962 | 352388 | 5295949 | 88.9 | 0.05 | N.D. | 0.63 | 3.43 | 6.1 | 10.8 | 3250 | 136 | 1.42 | 12 | 2 | 2532 | 114 |
| 03-PAT-0963 | 352291 | 5296339 | 75.0 | 0.04 | N.D. | 0.42 | 1.63 | 11.4 | 12.2 | 7350 | 56 | 3.41 | 9 | 2.5 | 7968 | 57 |
| 03-PAT-0964 | 352679 | 5296894 | 81.7 | 0.07 | N.D. | 0.28 | 2.65 | 15.1 | 21.9 | 9964 | 183 | 3.64 | 13 | 2.5 | 5785 | 42 |
| 03-PAT-0966 | 351903 | 5297050 | 80.2 | 0.06 | N.D. | 0.53 | 1.62 | 5.6 | 11.2 | 15886 | 168 | 1.79 | 7 | 8.5 | 5226 | 84 |
| 03-PAT-0967 | 352452 | 5297626 | 86.9 | 0.06 | N.D. | 0.56 | 1.98 | 7.1 | 15.5 | 3622 | 59 | 5.17 | 9 | 2.1 | 4114 | 78 |
| 03-PAT-0968 | 352936 | 5297662 | 67.7 | 0.10 | N.D. | 0.45 | 4.34 | 20.4 | 42.9 | 56036 | 290 | 5.37 | 18 | 3.9 | 7349 | 74 |
| 03-PAT-0969 | 352949 | 5297962 | 49.5 | 0.11 | N.D. | 0.50 | 7.21 | 26.9 | 41.0 | 8147 | 223 | 3.60 | 26 | 4.3 | 5157 | 95 |
| 03-PAT-0970 | 354307 | 5296148 | 47.8 | 0.14 | N.D. | 0.32 | 2.53 | 11.6 | 80.7 | 5530 | 40 | 2.62 | 28 | 2 | 8860 | 50 |
| 03-PAT-0971 | 355369 | 5294801 | 22.5 | 0.10 | INF | 0.52 | 3.92 | 31.1 | 64.8 | 17390 | 497 | 2.92 | 14 | 8.1 | 19055 | 66 |
| 03-PAT-0972 | 355409 | 5295735 | 60.6 | 0.06 | N.D. | 0.32 | 2.51 | 14.0 | 34.2 | 6238 | 121 | 2.94 | 15 | 4.1 | 10456 | 46 |
| 03-PAT-0973 | 355475 | 5296417 | 64.9 | 0.14 | N.D. | 0.63 | 5.19 | 33.4 | 85.9 | 15642 | 380 | 4.08 | 22 | 6.7 | 16955 | 82 |
| 03-PAT-0974 | 355175 | 5297403 | 72.7 | 0.12 | N.D. | 0.61 | 3.52 | 32.0 | 76.8 | 13392 | 206 | 4.77 | 18 | 11.4 | 19843 | 74 |
| 03-PAT-0976 | 355402 | 5297815 | 83.8 | 0.07 | INF | 0.57 | 1.35 | 13.5 | 19.1 | 2771 | 25 | 4.25 | 8 | 3.2 | 11561 | 73 |
| 03-PAT-0977 | 355047 | 5298102 | 62.8 | 0.13 | INF | 0.50 | 2.71 | 19.6 | 65.0 | 7319 | 53 | 3.20 | 25 | 2.2 | 14546 | 66 |
| 03-PAT-0978 | 355200 | 5298300 | 59.9 | 0.10 | 2 | 0.47 | 2.59 | 17.4 | 76.7 | 4545 | 65 | 5.35 | 16 | 6.4 | 9315 | 35 |
| 03-PAT-0979 | 355630 | 5298692 | 62.8 | 0.04 | N.D. | 0.25 | 0.61 | 7.0 | 20.4 | 1325 | 29 | 4.22 | 11 | 3 | 8956 | 38 |
| 03-PAT-0980 | 355203 | 5299335 | 86.1 | 0.07 | INF | 0.37 | 2.05 | 6.3 | 25.4 | 2861 | 50 | 3.05 | 18 | 2 | 9575 | 59 |
| 03-PAT-0981 | 354947 | 5298838 | 64.3 | 0.11 | INF | 0.50 | 6.60 | 20.5 | 53.9 | 12892 | 143 | 3.61 | 26 | 4.5 | 16853 | 86 |
| 03-PAT-0982 | 354110 | 5298351 | 41.3 | 0.06 | N.D. | 0.23 | 1.22 | 11.3 | 36.2 | 2027 | 122 | 2.58 | 12 | 0.8 | 5450 | 32 |
| 03-PAT-0983 | 355884 | 5294911 | 77.3 | 0.08 | INF | 0.49 | 1.19 | 8.8 | 16.4 | 2652 | 39 | 3.03 | 7 | 9 | 11090 | 47 |
| 03-PAT-0986 | 356701 | 5295099 | 70.7 | 0.05 | INF | 0.51 | 1.11 | 4.2 | 17.2 | 1865 | 35 | 3.34 | 14 | 1.7 | 8421 | 65 |
| 03-PAT-0988 | 356981 | 5293007 | 75.2 | 0.06 | N.D. | 0.53 | 2.02 | 9.1 | 9.0 | 3596 | 54 | 1.80 | 6 | 6.3 | 4688 | 61 |
| 03-PAT-0989 | 356895 | 5292031 | 59.6 | 0.06 | 3 | 0.54 | 3.89 | 38.7 | 30.7 | 16973 | 324 | 9.37 | 16 | 3.2 | 22269 | 63 |
| 03-PAT-0990 | 404324 | 5265856 | 46.5 | 0.11 | N.D. | 0.65 | 4.91 | 27.0 | 30.8 | 16918 | 96 | 10.41 | 15 | 4.8 | 17599 | 73 |
| 03-PAT-0991 | 403344 | 5266008 | 67.6 | 0.31 | 5 | 0.79 | 7.05 | 20.6 | 51.8 | 22959 | 191 | 3.60 | 15 | 4.6 | 6155 | 93 |
| 03-PAT-0993 | 405435 | 5266239 | 78.1 | 0.14 | INF | 0.92 | 2.61 | 13.7 | 19.3 | 3412 | 139 | 1.84 | 12 | 4.4 | 4142 | 117 |
| 03-PAT-0994 | 407211 | 5266630 | 30.9 | 0.09 | N.D. | 0.39 | 3.01 | 78.5 | 43.7 | 2298 | 19 | 4.98 | 12 | 2.4 | 3423 | 41 |
| 03-PAT-0996 | 412319 | 5264673 | 45.9 | 0.12 | N.D. | 0.59 | 4.83 | 19.1 | 29.1 | 5314 | 92 | 0.86 | 16 | 5 | 3178 | 60 |
| 03-PAT-0997 | 411630 | 5266026 | 53.4 | 0.15 | N.D. | 0.67 | 6.87 | 30.6 | 50.6 | 9094 | 128 | 0.54 | 24 | 3.6 | 3011 | 73 |
| 03-PAT-0998 | 412492 | 5266968 | 46.5 | 0.19 | N.D. | 0.74 | 11.31 | 32.2 | 45.8 | 8867 | 290 | 0.94 | 19 | 6 | 2859 | 70 |
| 03-PAT-0999 | 412998 | 5267671 | 54.4 | 0.15 | N.D. | 0.52 | 2.26 | 14.0 | 35.1 | 3619 | 43 | 0.78 | 13 | 2.5 | 3178 | 42 |
| 03-PAT-1000 | 412750 | 5268425 | 50.6 | 0.21 | N.D. | 0.44 | 2.92 | 10.1 | 36.5 | 5511 | 97 | 1.09 | 12 | 2.2 | 2814 | 37 |
| 03-PAT-1001 | 411188 | 5268819 | 50.8 | 0.32 | N.D. | 0.43 | 4.03 | 15.8 | 48.9 | 6327 | 131 | 1.19 | 13 | 3.4 | 2828 | 33 |
| 03-PAT-1002 | 411671 | 5269402 | 41.9 | 0.19 | 4 | 0.50 | 7.98 | 34.8 | 53.5 | 11526 | 279 | 1.07 | 25 | 5.7 | 3233 | 65 |
| 03-PAT-1003 | 412250 | 5269850 | 44.7 | 0.32 | N.D. | 0.74 | 11.44 | 49.1 | 79.5 | 36870 | 610 | 1.65 | 27 | 9.9 | 3724 | 104 |
| 03-PAT-1004 | 412709 | 5270590 | 60.5 | 0.13 | N.D. | 0.38 | 2.58 | 5.5 | 79.7 | 1450 | 25 | 2.19 | 24 | 2.5 | 5839 | 38 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-1007 | 417161 | 5261770 | 48.7 | 0.12 | N.D. | 0.44 | 6.78 | 16.8 | 38.5 | 3404 | 82 | 0.84 | 21 | 2.5 | 3019 | 49 |
| 03-PAT-1008 | 417435 | 5262457 | 51.3 | 0.12 | N.D. | 0.39 | 2.50 | 9.7 | 23.8 | 6670 | 62 | 0.63 | 13 | 2.4 | 2761 | 33 |
| 03-PAT-1009 | 419024 | 5261401 | 56.6 | 0.16 | N.D. | 0.69 | 11.23 | 24.0 | 24.4 | 18004 | 568 | 0.77 | 15 | 9.8 | 2843 | 93 |
| 03-PAT-1011 | 417817 | 5264419 | 47.3 | 0.17 | N.D. | 0.71 | 12.88 | 19.7 | 23.2 | 25965 | 638 | 0.86 | 16 | 25 | 3555 | 82 |
| 03-PAT-1012 | 416582 | 5265099 | 47.8 | 0.16 | N.D. | 0.73 | 11.32 | 23.7 | 24.7 | 17872 | 567 | 0.77 | 14 | 10.2 | 2674 | 88 |
| 03-PAT-1013 | 415143 | 5265990 | 42.8 | 0.10 | N.D. | 1.04 | 14.29 | 36.1 | 39.4 | 12968 | 580 | 1.28 | 29 | 8.4 | 5091 | 144 |
| 03-PAT-1016 | 414525 | 5267820 | 20.9 | 0.07 | N.D. | 0.36 | 9.01 | 21.7 | 18.7 | 10334 | 251 | 0.47 | 17 | 2.7 | 1773 | 67 |
| 03-PAT-1017 | 413577 | 5268550 | 42.0 | 0.16 | N.D. | 0.66 | 10.97 | 32.1 | 30.3 | 18546 | 327 | 0.64 | 19 | 5.5 | 2377 | 82 |
| 03-PAT-1018 | 413154 | 5269084 | 98.0 | 0.27 | N.D. | 0.78 | 16.03 | 43.2 | 75.2 | 28973 | 884 | 1.72 | 24 | 6.4 | 3836 | 109 |
| 03-PAT-1019 | 414307 | 5269273 | 36.1 | 0.11 | N.D. | 0.70 | 13.79 | 40.1 | 44.7 | 14761 | 313 | 1.11 | 32 | 4.7 | 3688 | 126 |
| 03-PAT-1020 | 414018 | 5270136 | 29.8 | 0.08 | N.D. | 0.77 | 8.89 | 26.5 | 29.1 | 8941 | 227 | 0.71 | 21 | 5.5 | 2848 | 100 |
| 03-PAT-1021 | 417292 | 5269759 | 39.2 | 0.12 | N.D. | 0.61 | 5.77 | 18.9 | 44.4 | 9407 | 357 | 0.95 | 17 | 2.4 | 3235 | 88 |
| 03-PAT-1022 | 419589 | 5268417 | 56.3 | 0.08 | INF | 0.41 | 3.19 | 14.3 | 33.7 | 8649 | 134 | 1.84 | 16 | 4.3 | 7642 | 55 |
| 03-PAT-1023 | 419587 | 5267340 | 42.8 | 0.12 | N.D. | 0.49 | 7.44 | 23.6 | 40.1 | 11170 | 159 | 0.80 | 19 | 4 | 2878 | 62 |
| 03-PAT-1024 | 420634 | 5262828 | 67.8 | 0.09 | INF | 0.93 | 4.92 | 27.3 | 19.4 | 20148 | 256 | 0.60 | 12 | 2.6 | 2947 | 97 |
| 03-PAT-1026 | 420174 | 5263131 | 63.3 | 0.10 | N.D. | 0.71 | 4.37 | 22.8 | 33.3 | 26081 | 162 | 1.15 | 12 | 1.9 | 4423 | 99 |
| 03-PAT-1027 | 420103 | 5263425 | 58.5 | 0.08 | N.D. | 0.60 | 5.36 | 14.8 | 22.9 | 26851 | 231 | 1.34 | 12 | 2.1 | 4594 | 95 |
| 03-PAT-1028 | 420092 | 5264600 | 43.6 | 0.09 | N.D. | 0.60 | 6.26 | 22.3 | 22.0 | 10787 | 203 | 0.46 | 15 | 3.6 | 2278 | 53 |
| 03-PAT-1029 | 418773 | 5264732 | 48.5 | 0.10 | N.D. | 0.81 | 6.36 | 20.1 | 31.1 | 7905 | 170 | 0.91 | 16 | 8.7 | 3943 | 78 |
| 03-PAT-1030 | 420631 | 5265539 | 43.4 | 0.11 | N.D. | 0.47 | 4.14 | 13.3 | 25.5 | 6380 | 96 | 0.76 | 12 | 2.9 | 2129 | 40 |
| 03-PAT-1031 | 420348 | 5266347 | 47.8 | 0.18 | N.D. | 0.67 | 10.17 | 23.4 | 42.6 | 14539 | 361 | 1.06 | 15 | 4.7 | 3224 | 71 |
| 03-PAT-1032 | 419249 | 5265912 | 50.4 | 0.15 | N.D. | 0.73 | 8.44 | 30.6 | 37.7 | 13521 | 274 | 1.00 | 20 | 5.5 | 3366 | 88 |
| 03-PAT-1033 | 419081 | 5266689 | 46.7 | 0.12 | N.D. | 0.68 | 7.97 | 28.5 | 32.5 | 13385 | 261 | 0.82 | 20 | 5.2 | 3274 | 83 |
| 03-PAT-1034 | 418765 | 5266484 | 35.1 | 0.08 | N.D. | 0.54 | 8.82 | 22.9 | 31.9 | 11617 | 181 | 0.71 | 20 | 4.4 | 2613 | 81 |
| 03-PAT-1036 | 418087 | 5267850 | 50.7 | 0.13 | N.D. | 0.75 | 6.41 | 26.5 | 39.4 | 9669 | 262 | 0.90 | 18 | 5.3 | 3237 | 75 |
| 03-PAT-1037 | 417811 | 5269067 | 63.6 | 0.08 | N.D. | 0.71 | 4.25 | 11.0 | 30.7 | 5908 | 230 | 0.85 | 15 | 3.8 | 4682 | 42 |
| 03-PAT-1038 | 393357 | 5272207 | 68.9 | 0.07 | 5 | 0.51 | 1.54 | 11.2 | 10.7 | 2065 | 44 | 0.78 | 9 | 2.6 | 3070 | 66 |
| 03-PAT-1039 | 393881 | 5272704 | 45.8 | 0.08 | N.D. | 0.61 | 3.54 | 76.5 | 48.1 | 46901 | 904 | 4.52 | 16 | 2.2 | 14536 | 68 |
| 03-PAT-1040 | 371795 | 5288403 | 71.7 | 0.13 | INF | 0.62 | 3.15 | 8.4 | 76.2 | 2701 | 49 | 2.25 | 12 | 6.2 | 9733 | 69 |
| 03-PAT-1042 | 370324 | 5289559 | 66.4 | 0.07 | INF | 0.42 | 2.42 | 13.3 | 17.7 | 11288 | 171 | 0.95 | 10 | 8.8 | 7908 | 59 |
| 03-PAT-1043 | 369653 | 5289227 | 77.3 | 0.05 | N.D. | 0.50 | 1.01 | 4.7 | 15.9 | 1020 | 35 | 0.93 | 6 | 6.8 | 5186 | 57 |
| 03-PAT-1044 | 370011 | 5289496 | 71.8 | 0.05 | N.D. | 0.38 | 2.45 | 10.0 | 18.3 | 7819 | 95 | 1.30 | 8 | 2.3 | 7013 | 60 |
| 03-PAT-1046 | 371575 | 5290915 | 76.8 | 0.07 | INF | 0.33 | 1.49 | 6.2 | 22.9 | 1031 | 29 | 1.72 | 11 | 1.2 | 5901 | 48 |
| 03-PAT-1047 | 372362 | 5291054 | 72.1 | 0.07 | N.D. | 0.41 | 1.94 | 7.8 | 31.2 | 1875 | 43 | 1.30 | 11 | 1.5 | 5233 | 48 |
| 03-PAT-1048 | 372174 | 5291594 | 84.3 | N.D. | N.D. | 0.36 | 2.42 | 4.5 | 10.6 | 2441 | 71 | 0.62 | 9 | 6.1 | 3634 | 42 |
| 03-PAT-1049 | 376267 | 5291922 | 63.3 | 0.07 | N.D. | 0.31 | 3.22 | 11.7 | 37.5 | 7605 | 301 | 0.73 | 15 | 3.5 | 9994 | 56 |
| 03-PAT-1050 | 376288 | 5292743 | 69.3 | 0.07 | INF | 0.64 | 2.65 | 16.1 | 25.5 | 8471 | 88 | 2.26 | 22 | 8 | 9240 | 66 |
| 03-PAT-1051 | 377280 | 5291842 | 17.8 | N.D. | N.D. | 0.17 | 2.08 | 18.6 | 10.0 | 5261 | 40 | 0.23 | 8 | 3.2 | 1802 | 28 |
| 03-PAT-1053 | 377558 | 5292466 | 54.2 | 0.06 | N.D. | 0.77 | 3.67 | 19.1 | 20.2 | 9059 | 93 | 1.47 | 16 | 6.7 | 8654 | 90 |
| 03-PAT-1054 | 378842 | 5290019 | 67.7 | 0.14 | N.D. | 0.53 | 3.99 | 26.5 | 46.2 | 12748 | 243 | 1.89 | 23 | 4.8 | 7587 | 65 |
| 03-PAT-1057 | 379429 | 5291304 | 53.6 | 0.11 | N.D. | 0.46 | 3.11 | 15.0 | 42.2 | 10858 | 126 | 2.04 | 19 | 2.3 | 15836 | 64 |
| 03-PAT-1059 | 378872 | 5292651 | 77.7 | 0.07 | N.D. | 0.40 | 1.05 | 3.3 | 31.8 | 811 | 41 | 1.63 | 7 | 2.7 | 8498 | 62 |
| 03-PAT-1060 | 380060 | 5292610 | 83.0 | 0.05 | INF | 0.39 | 1.57 | 4.0 | 10.8 | 1390 | 70 | 1.90 | 6 | 2.1 | 8040 | 50 |
| 03-PAT-1061 | 379953 | 5290695 | 55.4 | 0.06 | N.D. | 0.34 | 1.02 | 5.1 | 22.4 | 1842 | 48 | 1.51 | 9 | 1.5 | 7895 | 54 |
| 03-PAT-1062 | 380262 | 5290492 | 72.5 | 0.12 | INF | 0.78 | 2.83 | 12.2 | 34.6 | 5214 | 145 | N.D. | 14 | N.D. | 10071 | 121 |
| 03-PAT-1063 | 380681 | 5290679 | 71.4 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 3287 | 52 | N.D. | 8 | N.D. | 10783 | 50 |
| 03-PAT-1064 | 381154 | 5290408 | 70.0 | 0.07 | N.D. | 0.36 | 1.19 | 9.1 | 20.4 | 3535 | 45 | 2.59 | 7 | 3.7 | 10583 | 45 |
| 03-PAT-1066 | 381929 | 5290822 | 62.9 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 5035 | 129 | N.D. | 10 | N.D. | 8682 | 76 |
| 03-PAT-1067 | 382438 | 5292109 | 44.5 | 0.13 | N.D. | 0.99 | 6.43 | 40.2 | 24.5 | 16303 | 356 | 1.08 | 17 | 13.5 | 4301 | 126 |
| 03-PAT-1068 | 383305 | 5291939 | 69.6 | 0.10 | N.D. | 0.48 | 3.41 | 12.1 | 54.8 | 4479 | 52 | 2.18 | 17 | 1.7 | 9495 | 56 |
| 03-PAT-1072 | 383503 | 5290770 | 91.1 | N.D. | N.D. | 0.20 | 0.88 | 2.7 | 4.7 | 1061 | 114 | 1.00 | 4 | 1.7 | 3594 | 37 |
| 03-PAT-1073 | 383107 | 5290706 | 76.9 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 19112 | 214 | N.D. | 8 | N.D. | 11518 | 67 |
| 03-PAT-1074 | 384142 | 5291850 | 70.5 | 0.10 | N.D. | 0.38 | 3.00 | 12.5 | 53.0 | 8792 | 109 | 2.31 | 13 | 3.4 | 12871 | 54 |
| 03-PAT-1077 | 383796 | 5292779 | 78.0 | 0.15 | N.D. | 1.32 | 1.27 | 9.2 | 19.0 | 3409 | 84 | 1.01 | 9 | 3.6 | 5801 | 155 |
| 03-PAT-1079 | 384621 | 5293867 | 81.3 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 5256 | 70 | N.D. | 11 | N.D. | 13350 | 59 |
| 03-PAT-1080 | 384912 | 5293465 | 81.9 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2483 | 148 | N.D. | 6 | N.D. | 2359 | 159 |
| 03-PAT-1083 | 385389 | 5293003 | 81.8 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 8048 | 72 | N.D. | 10 | N.D. | 16426 | 38 |
| 03-PAT-1086 | 385506 | 5292161 | 45.1 | 0.13 | N.D. | 0.63 | 4.47 | 15.6 | 47.6 | 6963 | 220 | 1.20 | 14 | 7 | 5655 | 69 |
| 03-PAT-1087 | 384605 | 5292461 | 72.5 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 5509 | 46 | N.D. | 9 | N.D. | 13108 | 71 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-1088 | 384340 | 5292190 | 75.1 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 6270 | 62 | N.D. | 6 | N.D. | 6170 | 78 |
| 03-PAT-1089 | 384501 | 5291978 | 80.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2262 | 53 | N.D. | 7 | N.D. | 2871 | 68 |
| 03-PAT-1090 | 384413 | 5291293 | 72.7 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 16455 | 421 | N.D. | 15 | N.D. | 13851 | 73 |
| 03-PAT-1091 | 385097 | 5290733 | 72.2 | 0.05 | N.D. | 0.22 | 1.59 | 13.6 | 22.7 | 10267 | 84 | 2.02 | 8 | 2 | 11712 | 34 |
| 03-PAT-1092 | 385350 | 5289762 | 78.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 14082 | 115 | N.D. | 9 | N.D. | 5654 | 111 |
| 03-PAT-1093 | 385618 | 5289695 | 62.3 | 0.05 | N.D. | 0.35 | 1.43 | 9.2 | 22.3 | 3018 | 97 | 1.76 | 7 | 5.2 | 7199 | 45 |
| 03-PAT-1094 | 385990 | 5289866 | 50.5 | 0.11 | N.D. | 0.57 | 4.50 | 23.0 | 47.9 | 26457 | 690 | 1.92 | 15 | 3.7 | 13953 | 82 |
| 03-PAT-1096 | 387361 | 5290389 | 52.3 | 0.08 | N.D. | 0.75 | 4.43 | 22.5 | 35.1 | 10660 | 306 | 1.00 | 15 | 6.6 | 4939 | 102 |
| 03-PAT-1097 | 386991 | 5290682 | 53.1 | 0.10 | N.D. | 0.70 | 4.87 | 14.2 | 36.3 | 6476 | 308 | 1.26 | 16 | 6.6 | 4698 | 78 |
| 03-PAT-1098 | 386285 | 5290932 | 73.8 | 0.05 | N.D. | 0.42 | 3.01 | 8.4 | 24.2 | 2504 | 49 | 0.88 | 14 | 1.3 | 3136 | 35 |
| 03-PAT-1099 | 386674 | 5291203 | 48.0 | 0.05 | N.D. | 0.44 | 3.03 | 10.7 | 28.7 | 3152 | 30 | 0.99 | 15 | 1.5 | 5728 | 52 |
| 03-PAT-1100 | 386350 | 5293228 | 69.2 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2360 | 36 | N.D. | 8 | N.D. | 4847 | 47 |
| 03-PAT-1101 | 386294 | 5293504 | 87.0 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1128 | 32 | N.D. | 6 | N.D. | 3508 | 56 |
| 03-PAT-1102 | 387262 | 5293506 | 54.8 | 0.07 | N.D. | 0.35 | 2.78 | 15.0 | 25.1 | 7823 | 110 | 1.96 | 13 | 3.2 | 8337 | 51 |
| 03-PAT-1103 | 387615 | 5293262 | 58.4 | 0.11 | N.D. | 0.56 | 4.16 | 17.6 | 32.1 | 9296 | 129 | 1.75 | 15 | 4.7 | 8167 | 67 |
| 03-PAT-1104 | 384300 | 5287500 | 53.5 | N.D. | N.D. | 0.26 | 1.69 | 7.3 | 21.3 | 2852 | 31 | 1.95 | 10 | 1.8 | 8115 | 38 |
| 03-PAT-1106 | 382345 | 5287254 | 49.8 | 0.08 | N.D. | 0.55 | 3.34 | 20.2 | 32.3 | 9955 | 191 | 1.40 | 19 | 3.5 | 7700 | 96 |
| 03-PAT-1107 | 382130 | 5286800 | 73.6 | 0.10 | N.D. | 0.43 | 3.22 | 19.9 | 41.0 | 16762 | 547 | 1.51 | 20 | 4.4 | 11774 | 74 |
| 03-PAT-1108 | 380041 | 5285431 | 49.1 | 0.07 | N.D. | 0.82 | 3.25 | 11.7 | 40.4 | 3475 | 46 | 0.94 | 14 | 3 | 6927 | 107 |
| 03-PAT-1109 | 386449 | 5285674 | 75.9 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 5820 | 84 | N.D. | 10 | N.D. | 9009 | 43 |
| 03-PAT-1110 | 401666 | 5298728 | 30.8 | 0.06 | N.D. | 0.46 | 6.59 | 36.6 | 20.6 | 16301 | 130 | 2.40 | 26 | 8.8 | 7785 | 59 |
| 03-PAT-1111 | 402246 | 5299311 | 41.4 | 0.04 | N.D. | 0.28 | 5.28 | 30.3 | 15.1 | 12280 | 144 | 1.53 | 22 | 3.4 | 3754 | 49 |
| 03-PAT-1112 | 410429 | 5302421 | 57.1 | 0.28 | N.D. | 0.61 | 2.50 | 9.1 | 64.1 | 4716 | 71 | 4.38 | 22 | 3 | 5497 | 68 |
| 03-PAT-1113 | 411025 | 5302947 | 42.4 | 0.08 | N.D. | 0.54 | 4.36 | 16.8 | 19.6 | 5464 | 163 | 0.75 | 22 | 7.5 | 2712 | 56 |
| 03-PAT-1114 | 410500 | 5304016 | 40.8 | 0.08 | N.D. | 0.54 | 3.65 | 16.7 | 20.0 | 4625 | 76 | 0.74 | 21 | 5 | 2642 | 52 |
| 03-PAT-1116 | 410614 | 5304805 | 38.5 | 0.07 | N.D. | 0.44 | 2.87 | 14.7 | 15.6 | 4450 | 82 | 0.65 | 17 | 5.2 | 2203 | 44 |
| 03-PAT-1117 | 410725 | 5306051 | 42.1 | 0.07 | N.D. | 0.42 | 2.93 | 19.4 | 21.3 | 5342 | 82 | 0.71 | 20 | 3.6 | 2270 | 45 |
| 03-PAT-1118 | 409768 | 5306284 | 41.0 | 0.05 | N.D. | 0.42 | 1.23 | 3.7 | 35.6 | 1134 | 25 | 0.97 | 15 | 3 | 2739 | 41 |
| 03-PAT-1119 | 410139 | 5307106 | 22.8 | 0.08 | N.D. | 0.50 | 5.51 | 29.8 | 16.3 | 9706 | 224 | 0.53 | 23 | 4.5 | 1538 | 83 |
| 03-PAT-1120 | 410674 | 5307681 | 35.1 | 0.13 | N.D. | 0.67 | 5.55 | 32.7 | 19.8 | 11258 | 247 | 0.55 | 23 | 7 | 2125 | 93 |
| 03-PAT-1121 | 411429 | 5303963 | 75.7 | 0.09 | N.D. | 0.80 | 1.47 | 9.0 | 24.6 | 3156 | 56 | 1.12 | 15 | 2.4 | 3741 | 92 |
| 03-PAT-1122 | 411613 | 5305025 | 68.1 | N.D. | N.D. | 0.41 | 1.63 | 5.2 | 12.3 | 1479 | 26 | 1.21 | 16 | 2.2 | 2913 | 45 |
| 03-PAT-1134 | 420761 | 5299776 | 29.8 | 0.10 | N.D. | 0.64 | 12.23 | 28.4 | 20.0 | 14565 | 368 | 1.15 | 24 | 3.8 | 1633 | 93 |
| 03-PAT-1136 | 420421 | 5300799 | 36.1 | 0.15 | N.D. | 0.79 | 11.43 | 31.0 | 22.8 | 15167 | 319 | 1.15 | 25 | 9.2 | 2166 | 102 |
| 03-PAT-1137 | 423774 | 5299734 | 47.3 | 0.21 | N.D. | 0.55 | 2.37 | 14.6 | 43.0 | 4067 | 60 | 12.2 | 17 | 3.5 | 3127 | 50 |
| 03-PAT-1138 | 423946 | 5300069 | 44.9 | 0.19 | N.D. | 0.47 | 2.47 | 16.9 | 37.4 | 3920 | 44 | 5.66 | 17 | 3.6 | 2461 | 46 |
| 03-PAT-1139 | 424254 | 5301224 | 48.7 | 0.09 | N.D. | 0.51 | 1.88 | 8.5 | 20.2 | 2427 | 32 | 2.94 | 12 | 6.7 | 2559 | 35 |
| 03-PAT-1140 | 424726 | 5299279 | 54.2 | 0.12 | N.D. | 0.43 | 1.74 | 9.6 | 22.2 | 4956 | 61 | 2.90 | 12 | 2.4 | 2371 | 42 |
| 03-PAT-1141 | 424674 | 5300314 | 54.4 | 0.25 | N.D. | 0.55 | 12.89 | 22.9 | 31.0 | 15532 | 338 | 2.58 | 21 | 12.3 | 3081 | 52 |
| 03-PAT-1142 | 420087 | 5292614 | 36.1 | 0.12 | N.D. | 0.51 | 5.34 | 26.0 | 44.9 | 9191 | 156 | 1.07 | 23 | 7 | 3987 | 80 |
| 03-PAT-1143 | 419360 | 5294189 | 20.8 | 0.12 | N.D. | 0.45 | 7.34 | 41.9 | 34.6 | 16577 | 262 | 0.85 | 30 | 5.9 | 1999 | 100 |
| 03-PAT-1144 | 418626 | 5294841 | 17.7 | 0.11 | N.D. | 0.48 | 10.32 | 47.8 | 31.3 | 24945 | 526 | 0.84 | 33 | 6.6 | 1406 | 122 |
| 03-PAT-1146 | 417027 | 5294188 | 36.9 | 0.08 | 3 | 0.55 | 5.84 | 31.4 | 48.2 | 10412 | 178 | 1.82 | 29 | 7.3 | 4744 | 83 |
| 03-PAT-1147 | 418022 | 5295830 | 20.4 | 0.12 | N.D. | 0.60 | 7.55 | 43.3 | 34.1 | 16987 | 296 | 0.78 | 28 | 10.3 | 2018 | 100 |
| 03-PAT-1148 | 417200 | 5297349 | 19.6 | 0.09 | N.D. | 0.37 | 6.67 | 32.0 | 30.3 | 14638 | 278 | 1.05 | 25 | 4.5 | 3154 | 96 |
| 03-PAT-1149 | 415303 | 5296074 | 65.0 | 0.14 | N.D. | 0.53 | 2.25 | 9.7 | 63.7 | 5326 | 143 | 1.06 | 13 | 2.3 | 3981 | 58 |
| 03-PAT-1150 | 415084 | 5296703 | 74.8 | 0.15 | N.D. | 0.97 | 13.12 | 14.2 | 30.0 | 16889 | 389 | 1.80 | 15 | 3.3 | 3849 | 235 |
| 03-PAT-1151 | 414930 | 5296658 | 71.7 | 0.19 | N.D. | 0.97 | 9.78 | 21.4 | 39.5 | 18359 | 917 | 1.89 | 21 | 4.5 | 4486 | 197 |
| 03-PAT-1152 | 414560 | 5295805 | 44.0 | 0.06 | N.D. | 0.16 | 12.77 | 26.9 | 10.5 | >135000 | 316 | 1.64 | 23 | 2.9 | 2326 | 57 |
| 03-PAT-1153 | 415859 | 5297425 | 69.7 | 0.08 | N.D. | 0.66 | 2.28 | 6.7 | 15.8 | 10833 | 143 | 1.33 | 7 | 9.1 | 3864 | 84 |
| 03-PAT-1154 | 416156 | 5297860 | 75.8 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 8173 | 98 | N.D. | 7 | N.D. | 5210 | 60 |
| 03-PAT-1157 | 415395 | 5297764 | 62.7 | 0.22 | N.D. | 0.52 | 2.02 | 9.2 | 59.7 | 6412 | 36 | 2.46 | 12 | 2.6 | 9024 | 70 |
| 03-PAT-1158 | 414749 | 5297556 | 66.4 | 0.17 | N.D. | 0.83 | 2.14 | 11.8 | 43.9 | 3723 | 69 | 2.28 | 10 | 4.7 | 5073 | 106 |
| 03-PAT-1159 | 409000 | 5295500 | 57.7 | 0.13 | N.D. | 0.67 | 3.71 | 19.5 | 39.5 | 3775 | 84 | 3.14 | 19 | 2.6 | 3934 | 58 |
| 03-PAT-1160 | 408498 | 5293728 | 73.6 | 0.31 | N.D. | 1.05 | 5.16 | 14.9 | 96.5 | 7295 | 133 | 4.07 | 19 | 3.3 | 6845 | 156 |
| 03-PAT-1161 | 408396 | 5295775 | 57.6 | 0.05 | N.D. | 0.54 | 3.15 | 11.0 | 24.1 | 2691 | 44 | 2.86 | 22 | 4.8 | 4178 | 48 |
| 03-PAT-1162 | 408333 | 5295824 | 60.7 | 0.06 | N.D. | 0.59 | 3.45 | 7.6 | 21.8 | 2290 | 81 | 1.62 | 16 | 5.2 | 3673 | 48 |
| 03-PAT-1164 | 405356 | 5294850 | 51.0 | 0.11 | N.D. | 0.55 | 5.19 | 13.0 | 60.7 | 3419 | 63 | 1.90 | 18 | 2.6 | 4205 | 50 |
| 03-PAT-1166 | 399619 | 5295500 | 55.3 | 0.07 | N.D. | 0.53 | 1.66 | 13.9 | 13.5 | 2388 | 40 | 0.88 | 12 | 2.4 | 1918 | 51 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method-------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units-------------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-1167 | 399584 | 5296418 | 63.8 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 4258 | 63 | N.D. | 15 | N.D. | 2335 | 120 |
| 03-PAT-1168 | 400904 | 5296433 | 53.2 | 0.13 | N.D. | 0.89 | 4.24 | 22.6 | 30.1 | 9895 | 318 | 1.27 | 18 | 4.8 | 2590 | 156 |
| 03-PAT-1169 | 403783 | 5293792 | 65.5 | 0.20 | N.D. | 0.61 | 2.64 | 8.2 | 53.5 | 2443 | 68 | 1.46 | 13 | 2.1 | 6100 | 55 |
| 03-PAT-1170 | 407485 | 5289637 | 21.0 | 0.10 | N.D. | 0.50 | 6.78 | 34.9 | 26.4 | 15995 | 460 | 0.63 | 23 | 7.8 | 1421 | 88 |
| 03-PAT-1172 | 406678 | 5278616 | 20.6 | 0.11 | 7 | 0.51 | 8.92 | 41.4 | 19.9 | 22644 | 377 | 2.49 | 27 | 8.5 | 1634 | 102 |
| 03-PAT-1176 | 408127 | 5280710 | 14.2 | 0.08 | 4 | 0.41 | 7.48 | 32.9 | 18.3 | 17255 | 312 | 0.83 | 22 | 7 | 1220 | 73 |
| 03-PAT-1177 | 407831 | 5281686 | 71.1 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2431 | 145 | N.D. | 13 | 3.2 | 5305 | 97 |
| 03-PAT-1178 | 409082 | 5281730 | 45.7 | 0.15 | N.D. | 0.69 | 6.61 | 27.1 | 65.2 | 11342 | 197 | 1.22 | 27 | 6.3 | 4305 | 122 |
| 03-PAT-1179 | 408840 | 5282320 | 40.9 | 0.10 | N.D. | 0.71 | 6.02 | 27.5 | 38.2 | 12340 | 191 | 0.86 | 24 | 19.6 | 3833 | 92 |
| 03-PAT-1180 | 409112 | 5282925 | 32.7 | 0.08 | N.D. | 0.41 | 7.85 | 35.9 | 36.1 | 16386 | 323 | 1.01 | 27 | 5.6 | 4011 | 88 |
| 03-PAT-1181 | 408962 | 5284096 | 36.4 | 0.07 | N.D. | 0.34 | 5.77 | 24.8 | 33.4 | 11971 | 302 | 1.87 | 21 | 6.2 | 3912 | 62 |
| 03-PAT-1182 | 413624 | 5278195 | 48.9 | 0.10 | N.D. | 0.61 | 5.45 | 22.1 | 56.4 | 7035 | 104 | 1.14 | 23 | 4.4 | 3476 | 71 |
| 03-PAT-1183 | 412434 | 5278102 | 45.9 | 0.31 | 5 | 1.38 | 10.42 | 40.3 | 202 | 10350 | 220 | 2.28 | 23 | 11.2 | 4795 | 209 |
| 03-PAT-1184 | 412214 | 5278972 | 42.7 | 0.25 | N.D. | 1.15 | 10.90 | 30.9 | 158 | 10854 | 236 | 1.80 | 23 | 12 | 5347 | 190 |
| 03-PAT-1186 | 412073 | 5279729 | 44.4 | 0.12 | N.D. | 0.72 | 5.79 | 16.0 | 98.0 | 5389 | 113 | 0.96 | 20 | 9 | 4476 | 77 |
| 03-PAT-1187 | 411767 | 5280776 | 25.0 | 0.10 | N.D. | 0.47 | 9.06 | 31.6 | 32.8 | 12948 | 234 | 0.49 | 23 | 8.1 | 1730 | 78 |
| 03-PAT-1188 | 411683 | 5281335 | 17.0 | 0.08 | N.D. | 0.44 | 12.03 | 24.9 | 44.3 | 11059 | 244 | 0.93 | 19 | 6.6 | 3666 | 80 |
| 03-PAT-1189 | 412013 | 5278069 | 56.5 | 0.26 | N.D. | 1.02 | 5.62 | 15.4 | 117 | 3708 | 58 | 1.84 | 27 | 8.3 | 5494 | 124 |
| 03-PAT-1190 | 411841 | 5278226 | 54.6 | 0.24 | N.D. | 0.95 | 6.04 | 13.4 | 106 | 3329 | 56 | 1.82 | 28 | 6.1 | 5572 | 122 |
| 03-PAT-1191 | 411344 | 5278204 | 40.3 | 0.22 | 5 | 0.69 | 7.33 | 29.3 | 76.4 | 10920 | 264 | 1.38 | 26 | 11 | 3591 | 106 |
| 03-PAT-1192 | 410612 | 5278634 | 42.2 | 0.19 | 4 | 0.69 | 10.16 | 28.1 | 86.6 | 10561 | 289 | 3.67 | 26 | 8.6 | 6327 | 112 |
| 03-PAT-1193 | 408549 | 5278691 | 55.0 | 0.06 | N.D. | 0.40 | 2.02 | 12.9 | 20.7 | 2738 | 47 | 1.82 | 13 | 2.6 | 4245 | 59 |
| 03-PAT-1194 | 408898 | 5279147 | 57.7 | 0.06 | N.D. | 0.38 | 1.53 | 12.3 | 21.3 | 2511 | 50 | 2.05 | 11 | 3 | 3945 | 59 |
| 03-PAT-1196 | 408250 | 5279707 | 45.3 | 0.12 | N.D. | 0.44 | 2.82 | 27.3 | 73.0 | 167186 | 1849 | 3.54 | 20 | 3.4 | 7058 | 59 |
| 03-PAT-1197 | 409132 | 5280008 | 47.8 | 0.14 | N.D. | 0.80 | 4.46 | 18.0 | 43.8 | 5287 | 140 | 1.14 | 14 | 3.1 | 2517 | 70 |
| 03-PAT-1199 | 406658 | 5281132 | 83.6 | 0.04 | INF | 0.36 | 1.30 | 8.4 | 14.3 | 3706 | 19 | 3.30 | 5 | 1.3 | 12517 | 54 |
| 03-PAT-1200 | 407100 | 5281987 | 85.7 | 0.11 | INF | 0.42 | 1.79 | 17.4 | 83.2 | 7091 | 110 | 4.90 | 18 | 1.5 | 9844 | 81 |
| 03-PAT-1201 | 407051 | 5282255 | 67.6 | 0.23 | N.D. | 0.50 | 2.87 | 12.1 | 170 | 33409 | 162 | 3.73 | 20 | 1.5 | 11520 | 96 |
| 03-PAT-1202 | 406802 | 5282310 | 74.1 | 0.14 | INF | 0.60 | 2.48 | 15.5 | 50.8 | 3021 | 54 | 1.89 | 14 | 4 | 6397 | 75 |
| 03-PAT-1204 | 406463 | 5282898 | 50.9 | 0.32 | N.D. | 0.99 | 17.88 | 26.7 | 163 | 11933 | 68 | 5.52 | 28 | 4.8 | 13298 | 127 |
| 03-PAT-1206 | 406056 | 5283839 | 44.0 | 0.20 | N.D. | 1.04 | 2.73 | 8.6 | 140 | 2447 | 27 | 3.72 | 15 | 4 | 6268 | 84 |
| 03-PAT-1207 | 406139 | 5284813 | 50.7 | 0.15 | N.D. | 0.52 | 3.33 | 9.1 | 52.8 | 2407 | 33 | 2.88 | 15 | 5 | 4583 | 65 |
| 03-PAT-1208 | 405290 | 5284947 | 40.7 | 0.14 | N.D. | 0.50 | 2.73 | 9.2 | 61.1 | 2351 | 30 | 2.46 | 14 | 2.8 | 4667 | 50 |
| 03-PAT-1209 | 405356 | 5285678 | 63.8 | 0.31 | N.D. | 0.56 | 6.61 | 9.5 | 110 | 7701 | 135 | 6.48 | 15 | 7.5 | 7269 | 62 |
| 03-PAT-1210 | 406108 | 5285980 | 51.8 | 0.13 | N.D. | 0.49 | 2.36 | 7.3 | 41.6 | 1569 | 29 | 4.23 | 14 | 3.4 | 5171 | 53 |
| 03-PAT-1211 | 406387 | 5285436 | 18.7 | 0.12 | N.D. | 0.24 | 4.02 | 15.9 | 34.1 | 7644 | 95 | 2.17 | 15 | 5.7 | 3003 | 39 |
| 03-PAT-1212 | 406870 | 5285959 | 57.7 | 0.30 | N.D. | 0.51 | 16.02 | 19.1 | 63.3 | 19567 | 237 | 13.92 | 18 | 3.4 | 7947 | 107 |
| 03-PAT-1213 | 407130 | 5285628 | 47.2 | 0.59 | N.D. | 1.83 | 5.96 | 15.5 | 474 | 5387 | 24 | 22.40 | 47 | 10.4 | 9983 | 238 |
| 03-PAT-1214 | 407436 | 5285234 | 40.4 | 0.34 | N.D. | 0.71 | 14.75 | 22.1 | 82.6 | 28832 | 252 | 4.60 | 18 | 8.7 | 6327 | 96 |
| 03-PAT-1216 | 401417 | 5286527 | 45.3 | 0.10 | N.D. | 0.76 | 7.37 | 45.9 | 38.9 | 18920 | 407 | 5.75 | 25 | 10.8 | 9725 | 76 |
| 03-PAT-1217 | 399948 | 5289267 | 55.8 | 0.07 | N.D. | 0.59 | 2.79 | 13.6 | 29.9 | 11453 | 122 | 11.79 | 14 | 4.4 | 13747 | 76 |
| 03-PAT-1218 | 397677 | 5289255 | 36.4 | 0.04 | N.D. | 0.53 | 4.17 | 17.2 | 13.0 | 10603 | 192 | 0.77 | 13 | 4.7 | 4206 | 65 |
| 03-PAT-1219 | 396309 | 5289324 | 52.3 | N.D. | N.D. | 0.35 | 2.09 | 5.4 | 7.9 | 3303 | 63 | 1.42 | 11 | 2.9 | 6297 | 43 |
| 03-PAT-1220 | 395540 | 5289411 | 70.7 | 0.11 | INF | 0.72 | 1.45 | 7.6 | 15.5 | 7102 | 117 | 1.15 | 9 | 22.7 | 7529 | 47 |
| 03-PAT-1221 | 395121 | 5289437 | 70.3 | N.D. | N.D. | 0.34 | 2.66 | 7.0 | 9.0 | 4013 | 20 | 1.52 | 6 | 2.5 | 7740 | 51 |
| 03-PAT-1222 | 392074 | 5289264 | 36.6 | 0.07 | N.D. | 0.41 | 6.37 | 31.8 | 16.8 | 74443 | 483 | 0.75 | 14 | 3 | 4165 | 85 |
| 03-PAT-1223 | 390090 | 5288587 | 51.4 | 0.05 | N.D. | 0.55 | 3.14 | 14.1 | 14.7 | 10890 | 148 | 1.02 | 11 | 3.9 | 4953 | 75 |
| 03-PAT-1226 | 389669 | 5288087 | 52.7 | 0.04 | N.D. | 0.54 | 3.18 | 9.7 | 14.7 | 3025 | 63 | 0.92 | 13 | 6.7 | 4310 | 53 |
| 03-PAT-1227 | 389544 | 5288886 | 55.4 | 0.06 | N.D. | 0.72 | 4.29 | 17.9 | 17.5 | 8098 | 450 | 1.18 | 13 | 7.3 | 4348 | 103 |
| 03-PAT-1228 | 389085 | 5289137 | 56.9 | 0.05 | N.D. | 0.56 | 3.77 | 17.3 | 17.8 | 7090 | 194 | 1.19 | 13 | 5 | 5215 | 82 |
| 03-PAT-1229 | 389138 | 5289437 | 57.3 | 0.04 | N.D. | 0.39 | 2.67 | 18.3 | 18.3 | 7243 | 66 | 1.93 | 13 | 2.5 | 8586 | 48 |
| 03-PAT-1230 | 380173 | 5284181 | 41.4 | 0.07 | N.D. | 0.69 | 6.50 | 24.3 | 24.4 | 9241 | 675 | 0.65 | 13 | 5.9 | 4356 | 83 |
| 03-PAT-1231 | 379310 | 5284242 | 49.3 | 0.11 | N.D. | 1.28 | 6.83 | 25.3 | 49.8 | 10015 | 158 | 1.22 | 24 | 4 | 7627 | 199 |
| 03-PAT-1232 | 378371 | 5284394 | 51.9 | 0.25 | N.D. | 4.27 | 9.94 | 22.9 | 98.6 | 9302 | 499 | 0.77 | 23 | 11.8 | 7986 | 595 |
| 03-PAT-1233 | 378020 | 5284618 | 55.2 | 0.17 | N.D. | 3.57 | 6.03 | 17.8 | 90.3 | 6761 | 210 | 0.79 | 24 | 7.9 | 7366 | 375 |
| 03-PAT-1234 | 377450 | 5285098 | 55.1 | 0.12 | N.D. | 2.53 | 5.79 | 13.2 | 72.0 | 5913 | 257 | 0.64 | 17 | 7.7 | 6179 | 336 |
| 03-PAT-1236 | 376935 | 5285551 | 45.2 | 0.11 | N.D. | 1.77 | 6.07 | 16.4 | 68.6 | 8083 | 168 | 0.63 | 21 | 8.6 | 6781 | 297 |
| 03-PAT-1237 | 379424 | 5286617 | 69.8 | 0.09 | N.D. | 0.56 | 3.86 | 8.3 | 71.8 | 2699 | 45 | 1.17 | 14 | 2.1 | 8364 | 72 |
| 03-PAT-1238 | 379733 | 5287145 | 69.5 | 0.09 | N.D. | 0.66 | 2.53 | 7.1 | 106 | 3536 | 80 | 1.73 | 13 | 2.8 | 9886 | 115 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-1239 | 380639 | 5287278 | 66.8 | 0.10 | INF | 0.41 | 2.50 | 12.2 | 39.5 | 12465 | 144 | 1.22 | 13 | 4.1 | 9572 | 61 |
| 03-PAT-1240 | 381029 | 5286735 | 72.5 | 0.07 | INF | 0.28 | 2.38 | 11.1 | 24.4 | 6554 | 77 | 1.35 | 13 | 1.7 | 9089 | 44 |
| 03-PAT-1241 | 380870 | 5286301 | 59.4 | 0.10 | N.D. | 0.66 | 5.18 | 10.8 | 81.2 | 7079 | 127 | 2.00 | 17 | 2.2 | 11108 | 99 |
| 03-PAT-1242 | 381677 | 5286230 | 53.2 | 0.07 | N.D. | 0.40 | 2.63 | 12.5 | 55.4 | 8597 | 64 | 1.97 | 16 | 1.9 | 12508 | 67 |
| 03-PAT-1243 | 383335 | 5285718 | 60.3 | 0.15 | INF | 0.56 | 4.84 | 30.9 | 69.4 | 19216 | 123 | 2.27 | 28 | 2.6 | 20897 | 81 |
| 03-PAT-1244 | 383559 | 5286293 | 61.0 | 0.16 | N.D. | 0.57 | 7.37 | 52.0 | 60.9 | 28903 | 203 | 1.88 | 34 | 3.5 | 12934 | 96 |
| 03-PAT-1246 | 384558 | 5286312 | 63.6 | 0.10 | INF | 0.51 | 4.07 | 33.0 | 30.4 | 24832 | 221 | 2.56 | 15 | 4.5 | 17207 | 63 |
| 03-PAT-1247 | 385312 | 5286071 | 68.1 | 0.06 | N.D. | 0.45 | 3.16 | 18.8 | 19.9 | 8271 | 188 | 2.02 | 12 | 8.1 | 9997 | 44 |
| 03-PAT-1248 | 384740 | 5286977 | 70.8 | 0.08 | INF | N.D. | N.D. | N.D. | N.D. | 2237 | 35 | N.D. | 12 | N.D. | 3668 | 72 |
| 03-PAT-1249 | 386369 | 5288116 | 43.6 | 0.06 | N.D. | 0.30 | 3.63 | 25.1 | 27.1 | 9476 | 102 | 2.14 | 14 | 2.9 | 8896 | 43 |
| 03-PAT-1250 | 387280 | 5289163 | 56.5 | 0.07 | N.D. | 0.59 | 3.66 | 28.1 | 22.6 | 13257 | 183 | 1.50 | 11 | 2.8 | 7056 | 69 |
| 03-PAT-1251 | 388369 | 5290345 | 58.5 | 0.06 | N.D. | 0.53 | 3.11 | 13.6 | 26.0 | 2964 | 60 | 0.90 | 14 | 2.2 | 4146 | 59 |
| 03-PAT-1252 | 388493 | 5290028 | 30.5 | 0.07 | N.D. | 0.20 | 3.73 | 37.3 | 30.8 | >135000 | 1908 | 0.94 | 27 | 2.6 | 5269 | 54 |
| 03-PAT-1253 | 390295 | 5291233 | 42.2 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 5476 | 68 | N.D. | 8 | N.D. | 4834 | 53 |
| 03-PAT-1254 | 390638 | 5291549 | 70.1 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 4199 | 93 | N.D. | 8 | N.D. | 4138 | 56 |
| 03-PAT-1256 | 390363 | 5291875 | 59.6 | 0.08 | N.D. | 0.62 | 1.94 | 13.8 | 22.9 | 14618 | 533 | 0.96 | 8 | 15.7 | 7910 | 81 |
| 03-PAT-1257 | 390724 | 5292081 | 72.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2706 | 74 | N.D. | 6 | N.D. | 4143 | 90 |
| 03-PAT-1258 | 391412 | 5293180 | 36.4 | 0.06 | N.D. | 0.29 | 3.96 | 28.1 | 25.5 | 16565 | 363 | 0.89 | 14 | 4.4 | 5008 | 46 |
| 03-PAT-1259 | 392240 | 5293594 | 64.1 | 0.05 | N.D. | 0.30 | 2.53 | 31.8 | 34.2 | 12088 | 66 | 2.62 | 17 | 2.8 | 14256 | 42 |
| 03-PAT-1260 | 392783 | 5293724 | 84.2 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1908 | 115 | 0.82 | 6 | 2.5 | 2656 | 100 |
| 03-PAT-1261 | 392728 | 5293087 | 56.5 | 0.06 | N.D. | 0.35 | 2.82 | 21.5 | 27.7 | 10242 | 111 | 2.43 | 11 | 8.1 | 11021 | 43 |
| 03-PAT-1262 | 391571 | 5293750 | 60.7 | 0.12 | N.D. | 0.52 | 5.37 | 53.8 | 53.7 | 15646 | 142 | 7.61 | 13 | 4.9 | 22786 | 50 |
| 03-PAT-1263 | 390311 | 5293839 | 45.8 | 0.12 | N.D. | 0.68 | 7.64 | 49.1 | 46.2 | 21883 | 404 | 1.16 | 23 | 6.9 | 5166 | 79 |
| 03-PAT-1266 | 390486 | 5292731 | 45.7 | 0.05 | N.D. | 0.28 | 2.72 | 17.7 | 21.6 | 6974 | 66 | 1.36 | 10 | 7.6 | 5368 | 33 |
| 03-PAT-1267 | 390759 | 5293238 | 33.3 | N.D. | N.D. | 0.30 | 3.21 | 22.1 | 22.0 | 9652 | 76 | 1.08 | 14 | 4.2 | 5811 | 41 |
| 03-PAT-1268 | 389434 | 5294687 | 68.4 | 0.10 | INF | 0.59 | 6.04 | 20.4 | 29.9 | 4474 | 89 | 1.52 | 17 | 3.8 | 4244 | 93 |
| 03-PAT-1269 | 388575 | 5295556 | 64.3 | 0.10 | N.D. | 0.44 | 4.36 | 20.6 | 35.9 | 14770 | 112 | 1.52 | 13 | 4 | 6196 | 80 |
| 03-PAT-1270 | 390281 | 5296833 | 42.8 | 0.13 | N.D. | 0.42 | 7.04 | 30.3 | 40.9 | 17586 | 257 | 1.04 | 21 | 3.2 | 6695 | 63 |
| 03-PAT-1271 | 390352 | 5296476 | 66.8 | 0.09 | INF | 0.61 | 2.17 | 11.7 | 16.1 | 11740 | 356 | 1.16 | 9 | 4.8 | 5940 | 82 |
| 03-PAT-1272 | 391465 | 5296672 | 56.4 | 0.09 | N.D. | 0.67 | 4.83 | 27.7 | 37.5 | 8368 | 402 | 1.73 | 18 | 9.2 | 6919 | 64 |
| 03-PAT-1273 | 392481 | 5296736 | 52.1 | 0.05 | N.D. | 0.26 | 2.09 | 13.5 | 22.6 | 4154 | 114 | 2.13 | 11 | 6.2 | 6989 | 35 |
| 03-PAT-1274 | 394369 | 5297175 | 88.6 | N.D. | N.D. | 0.34 | 1.31 | 2.6 | 5.8 | 2119 | 84 | 1.64 | 8 | 1.2 | 4834 | 39 |
| 03-PAT-1276 | 395971 | 5298576 | 17.3 | N.D. | N.D. | 0.36 | 4.38 | 16.9 | 9.6 | 9055 | 248 | 0.28 | 13 | 2.4 | 1372 | 48 |
| 03-PAT-1277 | 396067 | 5299701 | 60.4 | 0.08 | N.D. | 0.49 | 4.10 | 21.9 | 43.4 | 4698 | 105 | 3.17 | 29 | 4.1 | 7771 | 59 |
| 03-PAT-1278 | 392913 | 5298964 | 54.3 | 0.06 | N.D. | 0.41 | 3.10 | 19.5 | 19.8 | 28476 | 505 | 2.14 | 14 | 9.1 | 10624 | 82 |
| 03-PAT-1279 | 392447 | 5299061 | 57.7 | N.D. | N.D. | 0.27 | 1.29 | 11.6 | 9.7 | 5479 | 76 | 1.89 | 8 | 3 | 7556 | 31 |
| 03-PAT-1280 | 391521 | 5298922 | 52.8 | 0.05 | N.D. | 0.31 | 1.39 | 18.3 | 17.1 | 86072 | 2627 | 3.24 | 13 | 3.9 | 10832 | 38 |
| 03-PAT-1281 | 391184 | 5298999 | 70.8 | 0.07 | INF | N.D. | N.D. | N.D. | N.D. | 10144 | 207 | 1.26 | 6 | 10.7 | 6816 | 65 |
| 03-PAT-1282 | 391114 | 5298376 | 71.5 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 4021 | 124 | N.D. | 6 | N.D. | 4174 | 65 |
| 03-PAT-1283 | 391634 | 5297427 | 48.4 | 0.08 | N.D. | 0.43 | 3.82 | 22.2 | 29.5 | 10676 | 275 | 1.55 | 16 | 8 | 6334 | 48 |
| 03-PAT-1284 | 391470 | 5295608 | 63.4 | 0.07 | N.D. | 0.61 | 2.89 | 13.4 | 22.0 | 2921 | 92 | 0.64 | 10 | 3.7 | 3707 | 62 |
| 03-PAT-1286 | 391958 | 5295105 | 62.7 | 0.05 | N.D. | 0.34 | 2.64 | 16.6 | 21.0 | 6978 | 89 | 2.09 | 10 | 5 | 7540 | 45 |
| 03-PAT-1287 | 391294 | 5295094 | 28.4 | 0.06 | N.D. | 0.28 | 3.67 | 18.7 | 22.4 | 23813 | 1296 | 1.90 | 13 | 4.4 | 6481 | 52 |
| 03-PAT-1288 | 390750 | 5295246 | 62.5 | 0.07 | N.D. | 0.36 | 2.81 | 16.1 | 23.4 | 13474 | 435 | 2.34 | 11 | 9.1 | 9495 | 43 |
| 03-PAT-1289 | 389687 | 5290391 | 70.4 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 11586 | 152 | N.D. | 12 | N.D. | 9167 | 44 |
| 03-PAT-1290 | 389419 | 5290166 | 57.2 | 0.05 | N.D. | 0.42 | 2.69 | 23.5 | 19.1 | 14542 | 139 | 1.69 | 14 | 6 | 7364 | 47 |
| 03-PAT-1291 | 365096 | 5286359 | 46.2 | 0.09 | N.D. | 0.55 | 6.92 | 42.9 | 41.3 | 11413 | 148 | 2.05 | 33 | 4.7 | 5878 | 74 |
| 03-PAT-1292 | 364827 | 5287024 | 50.4 | 0.15 | N.D. | 0.71 | 7.28 | 25.0 | 47.6 | 13561 | 566 | 2.84 | 23 | 13.3 | 8557 | 98 |
| 03-PAT-1293 | 364080 | 5287233 | 64.8 | 0.08 | N.D. | 0.36 | 3.26 | 18.6 | 48.9 | 10808 | 85 | 3.48 | 33 | 2.9 | 12037 | 56 |
| 03-PAT-1294 | 360679 | 5288624 | 45.8 | 0.05 | N.D. | 0.38 | 3.71 | 19.1 | 13.8 | 12439 | 209 | 0.89 | 14 | 7.8 | 4129 | 68 |
| 03-PAT-1297 | 359865 | 5288265 | 46.8 | 0.05 | N.D. | 0.46 | 3.77 | 23.5 | 17.2 | 11707 | 236 | 1.24 | 15 | 3.9 | 4859 | 54 |
| 03-PAT-1298 | 363849 | 5290169 | 17.7 | N.D. | N.D. | 0.26 | 4.52 | 17.5 | 8.9 | 7965 | 273 | 0.43 | 12 | 4.2 | 1431 | 42 |
| 03-PAT-1299 | 364069 | 5290954 | 62.6 | 0.07 | N.D. | 0.66 | 3.36 | 15.1 | 21.3 | 5525 | 99 | 0.94 | 13 | 3.6 | 4021 | 92 |
| 03-PAT-1300 | 363759 | 5291625 | 67.7 | 0.06 | N.D. | 0.64 | 3.34 | 12.5 | 18.2 | 4703 | 93 | 1.02 | 14 | 4.3 | 4707 | 90 |
| 03-PAT-1301 | 363496 | 5292353 | 58.7 | 0.06 | N.D. | 0.45 | 2.62 | 12.1 | 20.9 | 7095 | 38 | 2.86 | 15 | 2.2 | 8548 | 64 |
| 03-PAT-1302 | 363479 | 5293701 | 44.8 | 0.06 | N.D. | 0.45 | 3.64 | 19.9 | 15.0 | 9732 | 355 | 0.61 | 14 | 9.3 | 3260 | 57 |
| 03-PAT-1303 | 362485 | 5293981 | 39.6 | 0.07 | N.D. | 0.58 | 5.90 | 32.1 | 21.4 | 13369 | 336 | 0.89 | 22 | 7.8 | 4080 | 90 |
| 03-PAT-1304 | 364000 | 5294574 | 43.0 | 0.06 | N.D. | 0.41 | 4.49 | 24.5 | 27.6 | 8551 | 123 | 0.79 | 23 | 3.8 | 3998 | 58 |
| 03-PAT-1306 | 363453 | 5295007 | 39.3 | 0.06 | N.D. | 0.44 | 5.18 | 27.6 | 26.3 | 11152 | 207 | 0.81 | 21 | 5 | 4249 | 74 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units----------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-1307 | 363883 | 5295775 | 66.1 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 5083 | 19 | N.D. | 17 | N.D. | 11517 | 70 |
| 03-PAT-1308 | 362804 | 5296056 | 69.7 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 3434 | 39 | N.D. | 8 | N.D. | 4746 | 53 |
| 03-PAT-1309 | 361851 | 5295985 | 71.6 | 0.05 | N.D. | 0.52 | 2.68 | 9.4 | 17.9 | 5449 | 118 | 2.57 | 14 | 2.7 | 6847 | 69 |
| 03-PAT-1310 | 360465 | 5295997 | 35.8 | 0.07 | N.D. | 0.48 | 5.59 | 33.1 | 22.1 | 13268 | 308 | 0.83 | 21 | 5.6 | 4306 | 75 |
| 03-PAT-1312 | 360534 | 5297727 | 53.3 | N.D | INF | N.D. | N.D. | N.D. | N.D. | 6441 | 74 | N.D. | 21 | N.D. | 8841 | 37 |
| 03-PAT-1313 | 362707 | 5297403 | 65.1 | 0.04 | N.D. | 0.46 | 1.69 | 8.2 | 15.3 | 2968 | 55 | 1.21 | 8 | 9.3 | 5781 | 61 |
| 03-PAT-1314 | 362724 | 5296083 | 74.0 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 3476 | 34 | N.D. | 8 | N.D. | 4377 | 54 |
| 03-PAT-1316 | 365010 | 5297921 | 38.7 | 0.07 | N.D. | 0.62 | 4.02 | 21.5 | 18.9 | 8839 | 196 | 0.60 | 16 | 5.5 | 3000 | 74 |
| 03-PAT-1317 | 364753 | 5298625 | 51.8 | 0.07 | N.D. | 0.65 | 4.14 | 16.3 | 21.0 | 7727 | 164 | 1.16 | 12 | 5.1 | 5086 | 77 |
| 03-PAT-1318 | 364496 | 5299322 | 53.7 | N.D. | N.D. | 0.51 | 2.09 | 9.0 | 10.9 | 6349 | 70 | 1.21 | 9 | 5.3 | 5067 | 55 |
| 03-PAT-1319 | 363168 | 5298543 | 64.2 | N.D. | N.D. | 0.46 | 2.21 | 16.5 | 14.3 | 6959 | 76 | 1.66 | 10 | 2.8 | 6887 | 51 |
| 03-PAT-1320 | 361531 | 5299738 | 27.8 | 0.05 | N.D. | 0.33 | 2.58 | 11.6 | 14.0 | 5249 | 99 | 0.85 | 9 | 3.3 | 2319 | 60 |
| 03-PAT-1321 | 359241 | 5301430 | 69.0 | 0.07 | N.D. | 0.40 | 1.71 | 8.0 | 31.6 | 4016 | 40 | 1.32 | 8 | 3.2 | 7499 | 62 |
| 03-PAT-1322 | 358546 | 5301866 | 74.5 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1358 | 38 | N.D. | 6 | N.D. | 5575 | 51 |
| 03-PAT-1323 | 356851 | 5301655 | 39.7 | 0.14 | N.D. | 0.47 | 6.53 | 29.2 | 50.9 | 9244 | 172 | 1.68 | 33 | 5.3 | 5015 | 82 |
| 03-PAT-1324 | 356239 | 5301849 | 73.2 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1042 | 37 | N.D. | 15 | N.D. | 7825 | 43 |
| 03-PAT-1326 | 358444 | 5301000 | 59.7 | 0.10 | N.D. | 0.45 | 2.59 | 12.4 | 54.6 | 5645 | 50 | 2.36 | 15 | 2.6 | 9962 | 59 |
| 03-PAT-1327 | 357659 | 5300541 | 78.7 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 3519 | 46 | N.D. | 13 | N.D. | 6752 | 59 |
| 03-PAT-1328 | 357797 | 5300095 | 79.8 | 0.04 | N.D. | 0.39 | 1.11 | 4.5 | 9.7 | 2399 | 66 | 0.85 | 6 | 4 | 4231 | 49 |
| 03-PAT-1329 | 358142 | 5299279 | 60.2 | 0.09 | N.D. | 0.62 | 3.75 | 12.6 | 53.7 | 4739 | 58 | 1.83 | 21 | 3.4 | 7132 | 74 |
| 03-PAT-1330 | 358766 | 5299154 | 68.2 | 0.06 | N.D. | 0.53 | 2.85 | 6.8 | 28.9 | 2370 | 41 | 1.54 | 13 | 1.6 | 6334 | 70 |
| 03-PAT-1331 | 356894 | 5297515 | 81.8 | 0.05 | N.D. | 0.46 | 1.04 | 2.1 | 13.4 | 2623 | 54 | 1.44 | 6 | 5.3 | 8677 | 58 |
| 03-PAT-1332 | 356621 | 5297156 | 35.5 | 0.07 | N.D. | 0.49 | 5.57 | 26.6 | 23.2 | 12714 | 238 | 0.73 | 22 | 8.3 | 5338 | 74 |
| 03-PAT-1333 | 355844 | 5297284 | 69.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2083 | 26 | N.D. | 6 | N.D. | 7217 | 54 |
| 03-PAT-1334 | 356139 | 5296817 | 56.7 | 0.06 | N.D. | 0.52 | 2.84 | 13.1 | 13.1 | 5178 | 90 | 0.63 | 13 | 4 | 5450 | 56 |
| 03-PAT-1338 | 357497 | 5296007 | 65.7 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 3328 | 30 | N.D. | 18 | N.D. | 8705 | 51 |
| 03-PAT-1339 | 359134 | 5292856 | 57.7 | 0.08 | N.D. | 0.50 | 2.58 | 25.8 | 36.7 | 25738 | 903 | 3.31 | 13 | 4.2 | 14546 | 66 |
| 03-PAT-1340 | 359985 | 5293194 | 32.9 | 0.05 | N.D. | 0.35 | 2.43 | 17.0 | 9.9 | 9942 | 135 | 0.40 | 9 | 4.6 | 2674 | 33 |
| 03-PAT-1341 | 361700 | 5293005 | 68.5 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1334 | 44 | N.D. | 13 | N.D. | 7508 | 48 |
| 03-PAT-1342 | 361025 | 5292751 | 74.4 | 0.06 | N.D. | 0.44 | 2.61 | 10.0 | 28.2 | 4801 | 114 | 1.38 | 10 | 8.2 | 6532 | 52 |
| 03-PAT-1343 | 360622 | 5292797 | 67.8 | N.D | INF | N.D. | N.D. | N.D. | N.D. | 3818 | 53 | N.D. | 11 | N.D. | 4856 | 35 |
| 03-PAT-1344 | 360549 | 5292490 | 74.3 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 4346 | 110 | N.D. | 8 | N.D. | 6836 | 38 |
| 03-PAT-1346 | 359727 | 5292227 | 62.5 | 0.04 | N.D. | 0.51 | 1.23 | 13.7 | 10.0 | 7360 | 90 | 1.12 | 9 | 3.5 | 5999 | 53 |
| 03-PAT-1347 | 360298 | 5291806 | 59.5 | 0.10 | N.D. | 0.79 | 4.42 | 44.3 | 26.9 | 11518 | 422 | 1.48 | 19 | 5.5 | 5565 | 109 |
| 03-PAT-1348 | 359011 | 5291565 | 35.8 | 0.05 | N.D. | 0.34 | 2.78 | 15.9 | 9.4 | 6235 | 101 | 1.33 | 11 | 3.2 | 4159 | 40 |
| 03-PAT-1349 | 358749 | 5291117 | 52.4 | 0.05 | N.D. | 0.45 | 2.46 | 14.4 | 11.8 | 4592 | 121 | 2.00 | 9 | 4.9 | 7055 | 41 |
| 03-PAT-1350 | 357413 | 5291384 | 66.0 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 8712 | 297 | N.D. | 7 | N.D. | 16430 | 51 |
| 03-PAT-1351 | 383968 | 5285386 | 68.0 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 16710 | 139 | N.D. | 19 | N.D. | 15729 | 76 |
| 03-PAT-1352 | 384410 | 5285577 | 64.3 | 0.08 | N.D. | 0.40 | 3.66 | 37.3 | 16.6 | 139737 | 1812 | 3.79 | 18 | 1.8 | 11298 | 81 |
| 03-PAT-1353 | 381849 | 5285143 | 62.3 | 0.12 | N.D. | 1.13 | 4.23 | 18.5 | 68.2 | 7133 | 95 | 2.20 | 25 | 5.2 | 11325 | 227 |
| 03-PAT-1354 | 381849 | 5285143 | 51.9 | 0.21 | N.D. | 1.26 | 11.33 | 41.2 | 67.6 | 20240 | 457 | 2.54 | 23 | 7.1 | 15116 | 328 |
| 03-PAT-1356 | 380965 | 5285142 | 62.2 | 0.14 | N.D. | 1.59 | 6.23 | 19.4 | 70.6 | 9691 | 122 | 2.43 | 26 | 6.2 | 11837 | 288 |
| 03-PAT-1358 | 387627 | 5287882 | 60.0 | 0.09 | N.D. | 0.32 | 4.03 | 27.4 | 31.5 | 13853 | 154 | 2.27 | 16 | 4.2 | 9917 | 54 |
| 03-PAT-1359 | 388308 | 5289324 | 56.1 | 0.10 | N.D. | 0.46 | 4.91 | 29.3 | 29.2 | 19302 | 272 | 1.30 | 15 | 5.6 | 7085 | 70 |
| 03-PAT-1360 | 388283 | 5288623 | 40.2 | 0.11 | N.D. | 0.54 | 6.19 | 36.2 | 26.7 | 16226 | 404 | 0.98 | 18 | 9.2 | 4955 | 76 |
| 03-PAT-1361 | 388419 | 5287917 | 71.5 | 0.10 | N.D. | 0.38 | 3.81 | 26.1 | 33.9 | 9769 | 154 | 1.72 | 16 | 2.5 | 7884 | 55 |
| 03-PAT-1362 | 393671 | 5291540 | 69.5 | 0.09 | N.D. | 0.58 | 2.95 | 10.7 | 10.3 | 8831 | 181 | 1.15 | 8 | 7.9 | 4740 | 68 |
| 03-PAT-1363 | 394106 | 5293296 | 64.5 | 0.18 | N.D. | 0.29 | 2.20 | 10.0 | 12.4 | 6419 | 92 | 2.39 | 8 | 4.5 | 6819 | 40 |
| 03-PAT-1364 | 393852 | 5294204 | 73.1 | 0.06 | N.D. | 0.39 | 1.38 | 7.9 | 8.1 | 1881 | 26 | 1.66 | 6 | 2.1 | 3317 | 51 |
| 03-PAT-1366 | 395886 | 5307022 | 55.0 | 0.10 | N.D. | 0.71 | 3.16 | 15.6 | 20.6 | 7622 | 207 | 0.77 | 11 | 5.8 | 5487 | 85 |
| 03-PAT-1367 | 395516 | 5306159 | 64.7 | 0.09 | N.D. | 0.58 | 2.86 | 13.1 | 38.8 | 6449 | 58 | 1.42 | 11 | 2.6 | 6524 | 70 |
| 03-PAT-1368 | 396193 | 5305809 | 47.3 | 0.10 | N.D. | 0.33 | 3.16 | 25.7 | 29.1 | 64675 | 2280 | 0.96 | 16 | 2.4 | 7567 | 68 |
| 03-PAT-1369 | 395719 | 5305061 | 46.7 | 0.09 | N.D. | 0.70 | 5.43 | 20.7 | 24.3 | 13733 | 251 | 1.79 | 16 | 4.2 | 6391 | 82 |
| 03-PAT-1370 | 398823 | 5304506 | 81.8 | 0.10 | N.D. | 0.42 | 2.11 | 4.3 | 31.5 | 2466 | 95 | 5.84 | 7 | 3.8 | 9432 | 44 |
| 03-PAT-1371 | 399402 | 5303579 | 41.9 | 0.14 | N.D. | 0.49 | 5.32 | 21.1 | 41.8 | 10053 | 290 | 2.31 | 20 | 4.5 | 5518 | 66 |
| 03-PAT-1372 | 398474 | 5305910 | 84.5 | 0.08 | N.D. | 0.53 | 3.51 | 9.4 | 20.9 | 3320 | 84 | 2.71 | 15 | 9.8 | 6368 | 77 |
| 03-PAT-1373 | 400446 | 5303535 | 82.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 3334 | 50 | N.D. | 11 | N.D. | 7942 | 47 |
| 03-PAT-1374 | 401147 | 5303345 | 78.2 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 3154 | 49 | N.D. | 12 | N.D. | 7137 | 48 |
| 03-PAT-1376 | 405562 | 5312962 | 34.4 | 0.21 | N.D. | 0.57 | 5.78 | 54.1 | 42.6 | 9755 | 185 | 0.96 | 31 | 4.7 | 1931 | 90 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-1387 | 407317 | 5308015 | 72.9 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2630 | 42 | N.D. | 19 | N.D. | 7622 | 63 |
| 03-PAT-1388 | 407308 | 5307057 | 65.1 | 0.08 | N.D. | 0.45 | 1.65 | 8.3 | 25.4 | 1353 | 24 | 2.08 | 14 | 1.7 | 5268 | 58 |
| 03-PAT-1389 | 406483 | 5306168 | 68.2 | 0.11 | N.D. | 0.51 | 2.30 | 11.5 | 47.2 | 1857 | 25 | 1.48 | 23 | 5 | 5524 | 57 |
| 03-PAT-1390 | 406129 | 5305350 | 74.7 | 0.09 | N.D. | 0.69 | 4.21 | 14.0 | 27.8 | 3141 | 51 | 1.52 | 25 | 4.8 | 4231 | 83 |
| 03-PAT-1392 | 412152 | 5290916 | 54.9 | 0.10 | N.D. | 0.39 | 1.47 | 9.2 | 46.9 | 2389 | 34 | 2.11 | 16 | 2.2 | 4469 | 60 |
| 03-PAT-1393 | 412901 | 5291198 | 65.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2763 | 48 | N.D. | 10 | N.D. | 3562 | 59 |
| 03-PAT-1394 | 415568 | 5289510 | 47.0 | 0.09 | N.D. | 0.65 | 4.26 | 18.5 | 41.2 | 9325 | 125 | 2.37 | 25 | 6.9 | 6409 | 78 |
| 03-PAT-1396 | 415279 | 5288813 | 43.6 | 0.08 | N.D. | 0.41 | 3.52 | 18.3 | 33.3 | 8900 | 112 | 1.27 | 24 | 3.5 | 5139 | 71 |
| 03-PAT-1397 | 418499 | 5288776 | 48.2 | 0.10 | N.D. | 0.75 | 3.61 | 16.9 | 28.0 | 6632 | 167 | 1.09 | 19 | 5.8 | 4090 | 94 |
| 03-PAT-1398 | 418122 | 5287456 | 48.9 | 0.10 | N.D. | 1.01 | 3.93 | 16.4 | 24.3 | 5722 | 166 | 0.57 | 18 | 13 | 3398 | 96 |
| 03-PAT-1399 | 418358 | 5289585 | 56.6 | 0.12 | N.D. | 0.58 | 3.70 | 11.8 | 36.8 | 9480 | 174 | 3.98 | 17 | 5.8 | 7145 | 76 |
| 03-PAT-1400 | 420439 | 5289248 | 55.9 | 0.06 | N.D. | 0.49 | 1.82 | 11.1 | 28.1 | 6059 | 69 | 1.65 | 15 | 4.9 | 4787 | 66 |
| 03-PAT-1402 | 420179 | 5288139 | 64.6 | 0.05 | N.D. | 0.55 | 2.23 | 15.6 | 36.6 | 6740 | 63 | 2.34 | 16 | 5.8 | 6309 | 67 |
| 03-PAT-1403 | 420999 | 5288343 | 37.3 | 0.06 | N.D. | 0.36 | 2.61 | 12.1 | 24.0 | 8218 | 80 | 1.75 | 16 | 5.5 | 5036 | 50 |
| 03-PAT-1404 | 420818 | 5287947 | 61.6 | 0.07 | N.D. | 0.56 | 1.93 | 12.0 | 32.0 | 6130 | 40 | 2.07 | 16 | 8.6 | 6828 | 76 |
| 03-PAT-1406 | 420298 | 5286959 | 61.5 | 0.08 | N.D. | 0.47 | 3.59 | 21.5 | 43.7 | 10194 | 112 | 2.60 | 25 | 4.1 | 7014 | 76 |
| 03-PAT-1407 | 420202 | 5286067 | 54.8 | 0.10 | N.D. | 0.57 | 4.57 | 23.5 | 39.9 | 9528 | 122 | 1.92 | 22 | 7.1 | 5605 | 82 |
| 03-PAT-1409 | 422706 | 5286276 | 17.1 | 0.05 | N.D. | 0.20 | 2.11 | 9.1 | 15.2 | 5769 | 119 | 0.83 | 10 | 3.9 | 1941 | 29 |
| 03-PAT-1410 | 425200 | 5284112 | 42.3 | 0.17 | N.D. | 0.72 | 4.38 | 23.7 | 38.6 | 11972 | 164 | 1.24 | 17 | 18.3 | 4556 | 86 |
| 03-PAT-1411 | 424924 | 5285276 | 57.1 | 0.15 | N.D. | 0.61 | 7.92 | 23.7 | 46.8 | 6756 | 64 | 2.02 | 21 | 8.5 | 3517 | 65 |
| 03-PAT-1412 | 424173 | 5286123 | 41.2 | 0.16 | N.D. | 0.48 | 4.78 | 24.2 | 33.9 | 7027 | 146 | 1.24 | 15 | 6.3 | 2492 | 54 |
| 03-PAT-1413 | 424446 | 5287055 | 57.9 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 5603 | 76 | N.D. | 9 | N.D. | 6301 | 68 |
| 03-PAT-1414 | 423337 | 5284824 | 45.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 10264 | 186 | N.D. | 15 | N.D. | 5820 | 47 |
| 03-PAT-1416 | 424690 | 5281441 | 58.3 | 0.11 | N.D. | 0.55 | 3.97 | 18.5 | 33.9 | 11377 | 188 | 1.39 | 13 | 5 | 3275 | 61 |
| 03-PAT-1417 | 424931 | 5275898 | 50.2 | 0.12 | N.D. | 0.80 | 6.19 | 21.2 | 33.3 | 8802 | 222 | 1.11 | 19 | 9.7 | 3749 | 78 |
| 03-PAT-1418 | 423358 | 5275483 | 26.0 | 0.08 | N.D. | 0.76 | 8.12 | 15.8 | 25.4 | 9996 | 465 | 0.68 | 15 | 11.9 | 2250 | 86 |
| 03-PAT-1419 | 423290 | 5275497 | 41.3 | 0.09 | N.D. | 0.48 | 5.75 | 20.6 | 28.4 | 8233 | 121 | 0.96 | 19 | 4.3 | 3556 | 59 |
| 03-PAT-1420 | 422658 | 5276400 | 54.2 | 0.11 | N.D. | 0.60 | 6.21 | 21.7 | 52.1 | 7472 | 96 | 1.58 | 23 | 4.1 | 4011 | 71 |
| 03-PAT-1421 | 422783 | 5277319 | 56.8 | 0.10 | N.D. | 0.63 | 5.32 | 21.4 | 44.3 | 9363 | 309 | 1.09 | 17 | 9.5 | 4777 | 62 |
| 03-PAT-1422 | 423584 | 5278292 | 61.9 | 0.10 | N.D. | 0.62 | 5.90 | 14.1 | 32.3 | 7011 | 325 | 1.13 | 15 | 3.1 | 3350 | 86 |
| 03-PAT-1423 | 423232 | 5279110 | 47.5 | 0.29 | N.D. | 0.51 | 3.91 | 16.3 | 141 | 4836 | 66 | 1.49 | 17 | 5 | 2893 | 61 |
| 03-PAT-1426 | 422859 | 5281418 | 58.4 | 0.10 | N.D. | 0.47 | 4.44 | 25.0 | 49.5 | 9043 | 139 | 2.00 | 20 | 7.6 | 5373 | 69 |
| 03-PAT-1427 | 423296 | 5282056 | 38.5 | 0.10 | N.D. | 0.42 | 4.59 | 27.2 | 24.6 | 11138 | 160 | 0.53 | 20 | 5 | 1846 | 66 |
| 03-PAT-1428 | 422466 | 5281206 | 33.1 | 0.14 | N.D. | 0.46 | 7.76 | 32.1 | 47.0 | 17448 | 271 | 0.75 | 25 | 5 | 2583 | 80 |
| 03-PAT-1429 | 421647 | 5281138 | 52.4 | 0.18 | N.D. | 0.59 | 2.87 | 29.2 | 42.0 | 6277 | 124 | 1.78 | 14 | 4.1 | 3605 | 58 |
| 03-PAT-1431 | 420245 | 5268831 | 62.0 | 0.10 | N.D. | 0.52 | 5.19 | 20.3 | 49.5 | 8233 | 140 | 2.00 | 18 | 3.3 | 5790 | 67 |
| 03-PAT-1432 | 420477 | 5269127 | 56.4 | 0.07 | N.D. | 0.34 | 2.73 | 17.6 | 32.2 | 6686 | 94 | 1.84 | 15 | 2.6 | 7593 | 35 |
| 03-PAT-1433 | 419780 | 5269368 | 53.4 | 0.09 | N.D. | 0.48 | 3.14 | 17.7 | 38.2 | 9594 | 105 | 2.00 | 16 | 5 | 10312 | 54 |
| 03-PAT-1434 | 418948 | 5270349 | 55.0 | 0.11 | N.D. | 0.52 | 3.03 | 17.2 | 51.5 | 5478 | 55 | 2.13 | 23 | 3 | 9560 | 76 |
| 03-PAT-1436 | 420445 | 5270311 | 65.1 | 0.19 | N.D. | 0.66 | 6.28 | 18.2 | 70.3 | 8192 | 159 | 3.56 | 16 | 2.9 | 10171 | 104 |
| 03-PAT-1437 | 418793 | 5271834 | 62.1 | 0.08 | 2 | 0.34 | 3.51 | 21.9 | 29.1 | 5324 | 70 | 2.19 | 20 | 2.8 | 7512 | 50 |
| 03-PAT-1438 | 416910 | 5271174 | 40.2 | 0.19 | 5 | 0.73 | 6.06 | 36.6 | 43.8 | 11070 | 359 | 0.70 | 20 | 4.4 | 3530 | 96 |
| 03-PAT-1439 | 416309 | 5269011 | 58.5 | 0.11 | N.D. | 0.59 | 4.58 | 19.3 | 28.8 | 4672 | 70 | 1.00 | 16 | 3 | 2870 | 38 |
| 03-PAT-1440 | 415881 | 5268536 | 53.4 | 0.13 | N.D. | 0.53 | 3.01 | 16.2 | 27.6 | 4338 | 130 | 0.94 | 12 | 2.5 | 2475 | 46 |
| 03-PAT-1441 | 404740 | 5267474 | 52.3 | 0.39 | 5 | 0.82 | 11.52 | 37.4 | 47.4 | 12837 | 224 | 3.42 | 17 | 5.2 | 3461 | 154 |
| 03-PAT-1442 | 404790 | 5268404 | 70.6 | 0.10 | 3 | 0.70 | 4.07 | 17.7 | 28.8 | 5465 | 65 | 2.70 | 16 | 5 | 5604 | 37 |
| 03-PAT-1443 | 414222 | 5262859 | 57.5 | 0.16 | N.D. | 0.48 | 3.57 | 16.5 | 30.4 | 5598 | 79 | 0.72 | 13 | 3.1 | 3461 | 45 |
| 03-PAT-1446 | 413201 | 5266121 | 47.1 | 0.13 | N.D. | 0.36 | 2.38 | 8.7 | 24.5 | 2376 | 31 | 0.76 | 10 | 3 | 2718 | 24 |
| 03-PAT-1447 | 414081 | 5264716 | 50.2 | 0.13 | N.D. | 0.52 | 2.36 | 11.3 | 27.1 | 4447 | 52 | 0.62 | 11 | 4.3 | 2614 | 36 |
| 03-PAT-1448 | 415077 | 5264047 | 46.9 | 0.17 | N.D. | 0.56 | 4.16 | 18.0 | 27.2 | 6186 | 103 | 0.56 | 12 | 7.5 | 2878 | 42 |
| 03-PAT-1449 | 416547 | 5266095 | 40.3 | 0.08 | N.D. | 0.27 | 1.98 | 10.5 | 16.6 | 3222 | 34 | 0.40 | 10 | 1.3 | 1834 | 22 |
| 03-PAT-1450 | 416409 | 5266591 | 44.6 | 0.13 | N.D. | 0.35 | 2.24 | 13.9 | 21.5 | 3691 | 50 | 0.44 | 9 | 2.8 | 1972 | 26 |
| 03-PAT-1451 | 412294 | 5272268 | 72.0 | 0.09 | N.D. | 0.35 | 3.75 | 8.6 | 67.4 | 7697 | 113 | 4.30 | 15 | 1.9 | 11844 | 46 |
| 03-PAT-1453 | 421153 | 5271209 | 50.6 | 0.15 | 3 | 0.41 | 7.41 | 15.3 | 56.6 | 6951 | 76 | 2.69 | 14 | 2.9 | 11613 | 43 |
| 03-PAT-1454 | 421108 | 5271997 | 67.6 | 0.11 | N.D. | 0.53 | 6.74 | 17.8 | 46.3 | 5106 | 104 | 1.57 | 27 | 4.9 | 6708 | 54 |
| 03-PAT-1456 | 420647 | 5273359 | 20.0 | 0.10 | N.D. | 0.36 | 11.90 | 36.2 | 57.6 | 16428 | 243 | 1.34 | 26 | 5 | 2241 | 79 |
| 03-PAT-1457 | 419912 | 5271642 | 57.2 | 0.14 | 10 | 0.57 | 3.05 | 19.8 | 32.3 | 5106 | 120 | 0.60 | 12 | 11 | 4243 | 17 |
| 03-PAT-1458 | 417687 | 5272006 | 58.5 | 0.07 | 2 | 0.26 | 5.80 | 7.0 | 22.3 | 2831 | 163 | 1.35 | 14 | 2.8 | 5785 | 32 |
| 03-PAT-1459 | 417033 | 5272540 | 52.7 | 0.12 | N.D. | 0.45 | 4.76 | 16.6 | 38.4 | 3792 | 74 | 1.40 | 18 | 2.9 | 4496 | 52 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-1460 | 415996 | 5272392 | 57.4 | 0.11 | N.D. | 0.52 | 3.44 | 12.9 | 31.1 | 6255 | 83 | 1.05 | 16 | 3 | 13674 | 45 |
| 03-PAT-1461 | 417163 | 5273172 | 44.7 | 0.13 | N.D. | 0.69 | 4.71 | 19.9 | 33.2 | 6318 | 192 | 0.70 | 16 | 4.2 | 3136 | 68 |
| 03-PAT-1462 | 416174 | 5273313 | 47.9 | 0.08 | N.D. | 0.40 | 3.33 | 9.0 | 27.7 | 2243 | 46 | 1.53 | 13 | 1.7 | 3655 | 43 |
| 03-PAT-1463 | 414982 | 5274099 | 52.0 | 0.14 | N.D. | 0.62 | 3.67 | 18.0 | 43.2 | 6167 | 227 | 0.89 | 16 | 4.2 | 3831 | 73 |
| 03-PAT-1464 | 413269 | 5275073 | 45.1 | 0.20 | N.D. | 0.63 | 5.00 | 27.1 | 45.9 | 7668 | 186 | 0.77 | 18 | 3.5 | 3235 | 71 |
| 03-PAT-1466 | 417592 | 5274591 | 52.9 | 0.16 | N.D. | 0.54 | 3.39 | 13.3 | 45.6 | 5245 | 89 | 1.02 | 12 | 2.6 | 3823 | 60 |
| 03-PAT-1467 | 419767 | 5275299 | 35.5 | 0.11 | N.D. | 0.25 | 1.80 | 15.8 | 20.0 | 4881 | 52 | 0.57 | 8 | 3.7 | 1708 | 24 |
| 03-PAT-1468 | 418717 | 5275384 | 39.0 | 0.12 | N.D. | 0.33 | 2.55 | 17.2 | 23.9 | 7058 | 60 | 0.58 | 11 | 5.9 | 2312 | 35 |
| 03-PAT-1469 | 417623 | 5275788 | 49.0 | 0.14 | N.D. | 0.66 | 7.86 | 30.2 | 43.6 | 11067 | 177 | 1.12 | 21 | 5.5 | 3483 | 100 |
| 03-PAT-1470 | 416789 | 5275270 | 51.7 | 0.13 | N.D. | 0.51 | 3.15 | 15.2 | 38.4 | 4512 | 64 | 0.73 | 15 | 2.9 | 3374 | 47 |
| 03-PAT-1471 | 415300 | 5275750 | 39.7 | 0.17 | N.D. | 0.69 | 6.87 | 25.1 | 41.3 | 9652 | 174 | 0.61 | 17 | 5.7 | 2781 | 86 |
| 03-PAT-1472 | 413490 | 5275502 | 48.5 | 0.25 | N.D. | 0.65 | 6.13 | 30.0 | 52.4 | 11829 | 322 | 1.02 | 19 | 4.8 | 3810 | 103 |
| 03-PAT-1473 | 412859 | 5276142 | 51.8 | 0.22 | N.D. | 0.67 | 4.71 | 26.7 | 46.0 | 8206 | 223 | 1.05 | 18 | 4.3 | 3499 | 84 |
| 03-PAT-1474 | 412741 | 5276748 | 50.2 | 0.22 | N.D. | 0.62 | 4.67 | 26.5 | 45.3 | 8025 | 189 | 0.99 | 19 | 5.5 | 3557 | 84 |
| 03-PAT-1476 | 410324 | 5276298 | 65.8 | 0.21 | N.D. | 0.93 | 5.43 | 12.3 | 48.0 | 10752 | 395 | 1.81 | 19 | 25.9 | 8264 | 78 |
| 03-PAT-1477 | 416316 | 5276645 | 39.8 | 0.13 | N.D. | 0.59 | 5.39 | 23.4 | 38.8 | 7340 | 108 | 0.51 | 21 | 4.7 | 2918 | 78 |
| 03-PAT-1478 | 420411 | 5276116 | 34.2 | 0.10 | N.D. | 0.29 | 1.60 | 13.6 | 21.9 | 2511 | 31 | 0.51 | 10 | 2.9 | 1602 | 29 |
| 03-PAT-1479 | 421161 | 5277017 | 57.3 | 0.25 | N.D. | 0.59 | 5.14 | 19.7 | 34.0 | 8669 | 179 | 1.15 | 13 | 14.1 | 3470 | 45 |
| 03-PAT-1480 | 418558 | 5277786 | 35.8 | 0.15 | N.D. | 0.45 | 6.47 | 30.2 | 38.3 | 11931 | 157 | 0.65 | 22 | 5.9 | 2477 | 69 |
| 03-PAT-1481 | 417323 | 5278429 | 28.7 | 0.13 | N.D. | 0.56 | 9.04 | 31.5 | 49.4 | 14305 | 355 | 1.18 | 27 | 11 | 3991 | 86 |
| 03-PAT-1482 | 417684 | 5279380 | 20.5 | 0.15 | N.D. | 0.46 | 8.64 | 30.8 | 33.5 | 14237 | 349 | 0.60 | 24 | 6.2 | 2252 | 75 |
| 03-PAT-1483 | 416893 | 5280315 | 30.6 | 0.15 | N.D. | 0.60 | 12.44 | 41.5 | 41.9 | 23760 | 562 | 0.64 | 29 | 10.6 | 2334 | 118 |
| 03-PAT-1484 | 416405 | 5281013 | 22.9 | 0.09 | N.D. | 0.45 | 8.10 | 26.2 | 41.5 | 13464 | 396 | 0.98 | 23 | 13.5 | 4962 | 66 |
| 03-PAT-1486 | 415924 | 5280043 | 49.1 | 0.18 | N.D. | 0.66 | 5.12 | 29.5 | 49.4 | 10096 | 184 | 0.57 | 18 | 8.5 | 3111 | 83 |
| 03-PAT-1487 | 414905 | 5279607 | 53.7 | 0.13 | N.D. | 0.58 | 5.47 | 28.6 | 60.8 | 8614 | 130 | 1.16 | 25 | 4.4 | 4141 | 73 |
| 03-PAT-1488 | 413434 | 5280589 | 32.4 | 0.11 | N.D. | 0.63 | 5.64 | 29.1 | 34.5 | 12168 | 252 | 0.77 | 21 | 14.6 | 3843 | 80 |
| 03-PAT-1489 | 414699 | 5282281 | 30.6 | 0.32 | N.D. | 0.55 | 6.45 | 31.1 | 37.2 | 14896 | 321 | 0.83 | 23 | 8.4 | 2479 | 84 |
| 03-PAT-1490 | 415500 | 5283425 | 17.9 | 0.10 | N.D. | 0.43 | 8.91 | 38.3 | 24.2 | 20309 | 538 | 0.36 | 26 | 9.3 | 1214 | 84 |
| 03-PAT-1492 | 388983 | 5284365 | 64.2 | 0.10 | N.D. | 0.58 | 2.35 | 13.7 | 21.8 | 6112 | 117 | 1.08 | 11 | 6.3 | 7316 | 85 |
| 03-PAT-1493 | 388819 | 5285252 | 50.2 | 0.16 | N.D. | 0.42 | 8.29 | 54.0 | 35.2 | 34191 | 270 | 1.13 | 19 | 4.4 | 6511 | 83 |
| 03-PAT-1494 | 388672 | 5285625 | 56.6 | 0.07 | N.D. | 0.53 | 5.32 | 21.9 | 19.0 | 8640 | 139 | 0.87 | 15 | 3.5 | 4474 | 95 |
| 03-PAT-1496 | 390165 | 5286164 | 62.7 | 0.08 | N.D. | 0.44 | 2.71 | 8.6 | 15.5 | 3439 | 48 | 1.11 | 14 | 3.9 | 6230 | 59 |
| 03-PAT-1498 | 388938 | 5286789 | 67.6 | 0.09 | N.D. | 0.41 | 4.05 | 23.9 | 25.5 | 11614 | 91 | 1.67 | 15 | 2.5 | 6337 | 55 |
| 03-PAT-1499 | 391409 | 5286904 | 53.3 | 0.07 | N.D. | 0.42 | 3.51 | 16.6 | 19.0 | 9017 | 378 | 1.20 | 12 | 3.7 | 4941 | 62 |
| 03-PAT-1500 | 391245 | 5287686 | 53.3 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 23226 | 723 | N.D. | 15 | N.D. | 10718 | 99 |
| 03-PAT-1501 | 392559 | 5284569 | 59.8 | 0.05 | N.D. | 0.48 | 1.05 | 9.1 | 7.7 | 6042 | 49 | 1.88 | 7 | 4.4 | 7996 | 58 |
| 03-PAT-1502 | 395262 | 5288528 | 68.8 | 0.08 | N.D. | 0.28 | 1.96 | 11.7 | 24.7 | 4813 | 42 | 2.52 | 11 | 3.1 | 9825 | 38 |
| 03-PAT-1504 | 394864 | 5288631 | 78.1 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 4528 | 87 | N.D. | 8 | N.D. | 4897 | 53 |
| 03-PAT-1506 | 395003 | 5287701 | 65.2 | 0.08 | N.D. | 1.34 | 4.66 | 30.4 | 12.1 | 18425 | 770 | 1.09 | 13 | 5.4 | 3337 | 167 |
| 03-PAT-1507 | 394100 | 5287571 | 16.4 | N.D. | 6 | 0.11 | 2.49 | 9.8 | 5.2 | 5200 | 209 | 0.59 | 10 | 1.7 | 471 | 14 |
| 03-PAT-1509 | 394840 | 5286997 | 85.2 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 4288 | 143 | N.D. | 9 | N.D. | 3224 | 69 |
| 03-PAT-1510 | 395490 | 5287078 | 82.4 | 0.07 | N.D. | 0.94 | 4.14 | 12.7 | 11.5 | 24961 | 192 | 1.08 | 9 | 2.2 | 5212 | 242 |
| 03-PAT-1511 | 396298 | 5289285 | 51.4 | 0.05 | N.D. | 0.33 | 2.31 | 5.9 | 8.2 | 3375 | 83 | 1.36 | 11 | 1.7 | 5902 | 45 |
| 03-PAT-1512 | 395491 | 5289408 | 78.2 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2900 | 55 | N.D. | 8 | N.D. | 5576 | 39 |
| 03-PAT-1513 | 395141 | 5289441 | 77.0 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 5226 | 35 | N.D. | 5 | N.D. | 7868 | 62 |
| 03-PAT-1514 | 394473 | 5284710 | 66.7 | 0.06 | N.D. | 0.70 | 3.55 | 16.4 | 28.2 | 7929 | 111 | 2.15 | 11 | 2.3 | 12086 | 68 |
| 03-PAT-1516 | 393190 | 5284429 | 73.9 | 0.06 | N.D. | 0.42 | 1.58 | 7.1 | 8.9 | 8477 | 153 | 1.78 | 8 | 6 | 11216 | 50 |
| 03-PAT-1517 | 393553 | 5282535 | 72.5 | 0.07 | N.D. | 0.79 | 6.21 | 20.3 | 8.5 | 40047 | 302 | 0.89 | 11 | 5 | 3653 | 186 |
| 03-PAT-1518 | 391309 | 5281690 | 30.8 | 0.05 | N.D. | 0.27 | 5.28 | 14.3 | 23.6 | 10559 | 207 | 0.72 | 13 | 1.8 | 3168 | 50 |
| 03-PAT-1519 | 390995 | 5281673 | 47.3 | 0.09 | N.D. | 0.55 | 3.97 | 11.9 | 39.8 | 4602 | 59 | 1.59 | 16 | 3.2 | 5524 | 63 |
| 03-PAT-1520 | 390937 | 5283201 | 85.8 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 6533 | 273 | N.D. | 17 | N.D. | 6249 | 93 |
| 03-PAT-1521 | 388820 | 5282629 | 68.9 | 0.07 | N.D. | 0.55 | 5.20 | 14.5 | 37.4 | 37712 | 427 | 1.63 | 16 | 1.1 | 9533 | 83 |
| 03-PAT-1522 | 392138 | 5276916 | 87.9 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2921 | 173 | N.D. | 7 | N.D. | 2577 | 96 |
| 03-PAT-1523 | 391635 | 5276473 | 52.8 | 0.08 | N.D. | 0.50 | 3.56 | 17.5 | 15.8 | 6825 | 114 | 1.38 | 14 | 3.1 | 4278 | 71 |
| 03-PAT-1524 | 390565 | 5276212 | 51.7 | 0.06 | N.D. | 0.68 | 3.46 | 17.9 | 8.5 | 13725 | 156 | 0.82 | 9 | 3.6 | 5262 | 57 |
| 03-PAT-1526 | 390326 | 5271500 | 85.2 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1678 | 58 | N.D. | 6 | N.D. | 11242 | 48 |
| 03-PAT-1531 | 366622 | 5275307 | 49.9 | 0.12 | N.D. | 0.68 | 3.29 | 20.4 | 55.0 | 4751 | 33 | 4.14 | 18 | 2.6 | 8115 | 67 |
| 03-PAT-1532 | 363168 | 5276161 | 88.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1479 | 43 | N.D. | 5 | N.D. | 2626 | 25 |
| 03-PAT-1533 | 362068 | 5277733 | 56.7 | 0.14 | N.D. | 0.74 | 7.50 | 14.2 | 40.8 | 21449 | 345 | 4.00 | 17 | 3.5 | 7454 | 114 |

| Site | NAD 83 ZONE 17 | | LOI | Ag | Au | Cd | Co | Cr | Cu | Fe | Mn | Mo | Ni | Pb | S | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number | Method------------> | | Grav. | ICP-MS | INAA | ICP-MS | ICP-MS | ICP-OES | ICP-OES | ICP-OES | ICP-OES | ICP-MS | ICP-OES | ICP-MS | ICP-OES | ICP-OES |
| | Detection Limit--> | | 0.05 | 0.04 | 2 | 0.04 | 0.04 | 1 | 0.4 | 20 | 0.7 | 0.06 | 0.2 | 0.3 | 20 | 2 |
| | Units---------------> | | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | Easting | Northing | | | | | | | | | | | | | | |
| 03-PAT-1534 | 362833 | 5278627 | 51.6 | 0.13 | N.D. | 0.60 | 5.46 | 17.6 | 53.8 | 4838 | 60 | 2.97 | 17 | 3.1 | 7262 | 87 |
| 03-PAT-1536 | 359189 | 5280271 | 62.9 | 0.09 | N.D. | 0.32 | 1.43 | 32.7 | 30.3 | 3634 | 27 | 2.73 | 17 | 1.8 | 8953 | 45 |
| 03-PAT-1537 | 359085 | 5280740 | 65.8 | 0.10 | N.D. | 0.37 | 2.21 | 18.2 | 37.2 | 2907 | 28 | 2.84 | 19 | 1.7 | 7594 | 55 |
| 03-PAT-1538 | 357643 | 5282710 | 85.8 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 2022 | 106 | N.D. | 6 | N.D. | 2915 | 57 |
| 03-PAT-1539 | 356332 | 5282134 | 35.3 | 0.07 | N.D. | 0.31 | 2.52 | 12.9 | 20.5 | 44330 | 2036 | 3.16 | 14 | 5.9 | 5932 | 37 |
| 03-PAT-1543 | 359427 | 5289993 | 57.1 | 0.05 | N.D. | 0.34 | 1.81 | 17.4 | 14.3 | 8363 | 71 | 5.02 | 12 | 2.9 | 12008 | 42 |
| 03-PAT-1544 | 360675 | 5289494 | 68.6 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1792 | 37 | N.D. | 11 | N.D. | 7449 | 60 |
| 03-PAT-1548 | 363140 | 5289680 | 41.0 | 0.07 | N.D. | 0.53 | 4.97 | 28.5 | 15.3 | 9428 | 154 | 0.88 | 16 | 4.9 | 4085 | 57 |
| 03-PAT-1549 | 363703 | 5290265 | 35.8 | 0.08 | N.D. | 0.43 | 4.66 | 27.4 | 13.8 | 10847 | 246 | 0.69 | 16 | 4.7 | 2893 | 58 |
| 03-PAT-1550 | 372423 | 5288415 | 56.8 | 0.06 | N.D. | 0.52 | 1.73 | 17.0 | 25.1 | 4421 | 61 | 0.79 | 12 | 2.7 | 4711 | 85 |
| 03-PAT-1551 | 372810 | 5288196 | 79.1 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1955 | 40 | N.D. | 18 | N.D. | 9658 | 208 |
| 03-PAT-1552 | 375058 | 5288850 | 77.4 | N.D. | INF | N.D. | N.D. | N.D. | N.D. | 1198 | 26 | N.D. | 9 | N.D. | 9574 | 62 |
| 03-PAT-1553 | 375769 | 5289230 | 54.2 | 0.09 | N.D. | 0.60 | 4.25 | 9.3 | 49.9 | 2466 | 29 | 1.04 | 20 | 2.5 | 4829 | 49 |
| 03-PAT-1554 | 376392 | 5288814 | 73.1 | 0.07 | N.D. | 0.42 | 2.70 | 5.1 | 21.0 | 1526 | 55 | 2.27 | 8 | 1 | 5435 | 56 |
| 03-PAT-1556 | 377465 | 5288893 | 50.3 | 0.09 | N.D. | 0.47 | 4.03 | 9.3 | 36.8 | 3779 | 74 | 1.54 | 16 | 2.4 | 6182 | 54 |
| 03-PAT-1557 | 377313 | 5287528 | 64.6 | 0.08 | N.D. | 0.86 | 2.76 | 6.2 | 81.8 | 3645 | 53 | 1.83 | 12 | 3.2 | 11678 | 126 |

# Metric Conversion Table

| Conversion from SI to Imperial | | | Conversion from Imperial to SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | | LENGTH | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 | chains | 1 chain | 20.116 8 | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | | AREA | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | 2.589 988 | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | 0.404 685 6 | ha |
| | | | VOLUME | | |
| 1 $cm^3$ | 0.061 023 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | 0.028 316 85 | $m^3$ |
| 1 $m^3$ | 1.307 951 | cubic yards | 1 cubic yard | 0.764 554 86 | $m^3$ |
| | | | CAPACITY | | |
| 1 L | 1.759 755 | pints | 1 pint | 0.568 261 | L |
| 1 L | 0.879 877 | quarts | 1 quart | 1.136 522 | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | | MASS | | |
| 1 g | 0.035 273 962 | ounces (avdp) | 1 ounce (avdp) | 28.349 523 | g |
| 1 g | 0.032 150 747 | ounces (troy) | 1 ounce (troy) | **31.103 476 8** | g |
| 1 kg | 2.204 622 6 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | **907.184 74** | kg |
| 1 t | 1.102 311 3 | tons (short) | 1 ton (short) | **0.907 184 74** | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | **1016.046 908 8** | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | **1.016 046 90** | t |
| | | | CONCENTRATION | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

OTHER USEFUL CONVERSION FACTORS

| | *Multiplied by* | |
|---|---|---|
| 1 ounce (troy) per ton (short) | 31.103 477 | grams per ton (short) |
| 1 gram per ton (short) | 0.032 151 | ounces (troy) per ton (short) |
| 1 ounce (troy) per ton (short) | 20.0 | pennyweights per ton (short) |
| 1 pennyweight per ton (short) | 0.05 | ounces (troy) per ton (short) |

*Note: Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries, published by the Mining Association of Canada in co-operation with the Coal Association of Canada.*

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